2.

WO 208/1212

This is a security document which must be safeguarded

CONFIDENTIAL

THIS DOCUMENT IS THE PROPERTY OF H.B.M. GOVERNMENT and is issued for the information of officers and responsible officials.

The officer or official in possession of the document will be responsible for its safe custody and that its contents are not disclosed to any unauthorised person.

The document will be kept under lock and key when not in actual use.

Officers commanding units and establishments, &c., are responsible that appropriate circulation is given to this document.

M.T. ROUTES IN EGYPT

Any person other than the authorized holder upon obtaining possession of this document by finding or otherwise should forward it, together with his name and address, in a closed envelope to the Under Secretary of State, The War Office, London, S.W.1. Letter postage need not be prepaid ; other postage will be refunded.

All persons are hereby warned that the unauthorised retention or destruction of this document is an offence against the Official Secrets Acts, 1911-1920.

D958

March 1944 MI(T) GHQ MEF

This is a security document which must be safeguarded

W07287/212

M.T. ROUTES IN EGYPT

March 1944

MI(T) GHQ MEF

M.T. ROUTES IN EGYPT

1. This volume is so arranged as to permit the inclusion of new routes and amendments.

2. The Route Book contains :—

(a) *Key Map*

This is a 1:4,000,000 sketch map bound in the front of the volume, showing the principal routes and also acting as a key map to the more detailed Index Maps.

(b) *Index Maps*

There are two Index Map sheets showing all numbered routes in detail. Sheet 1 covers routes in the DELTA and CANAL area and is gridded. Sheet 2 comprising three maps shows routes in UPPER EGYPT, SINAI, and the WESTERN DESERT coast road ; owing to the small scale these maps are not gridded.

(c) *Town Diagrams*

Page size diagrams of CAIRO, ALEXANDRIA and ISMAILIA, 1:100,000 scale, are bound in at the end of the volume. These show the alignment of the numbered routes passing through the towns.

(d) *Route Reports*

Each route report has a number corresponding to the number of the route on the Index Map. Routes are arranged in numerical order throughout the book and fall into groups according to the first figure in the route number. New routes reports should be inserted in their correct numerical position, according to the first figure in the route number.

Each route report is headed by a General Report giving distances, details of width, surface and limiting factors and a short description of the country through which the road passes. This is followed by a Detailed Report giving a " mile by mile " description.

Note :—The figures in brackets after " Bridge " or " Culvert " in the Detailed Reports indicate weight classification.

(e) *Place Name Index*

This is an alphabetical list of all place names mentioned in the route reports. It gives the grid reference of the place and the number of the route or routes in which it is mentioned.

Place names incorporating the definite article " EL " are listed with the definite article following the place name, *e.g.*, " ABBASA, EL ".

(f) *Route Number Index*

This gives a list of all route numbers at present allotted together with the number, or numbers, under which a particular route appears in the Route Book.

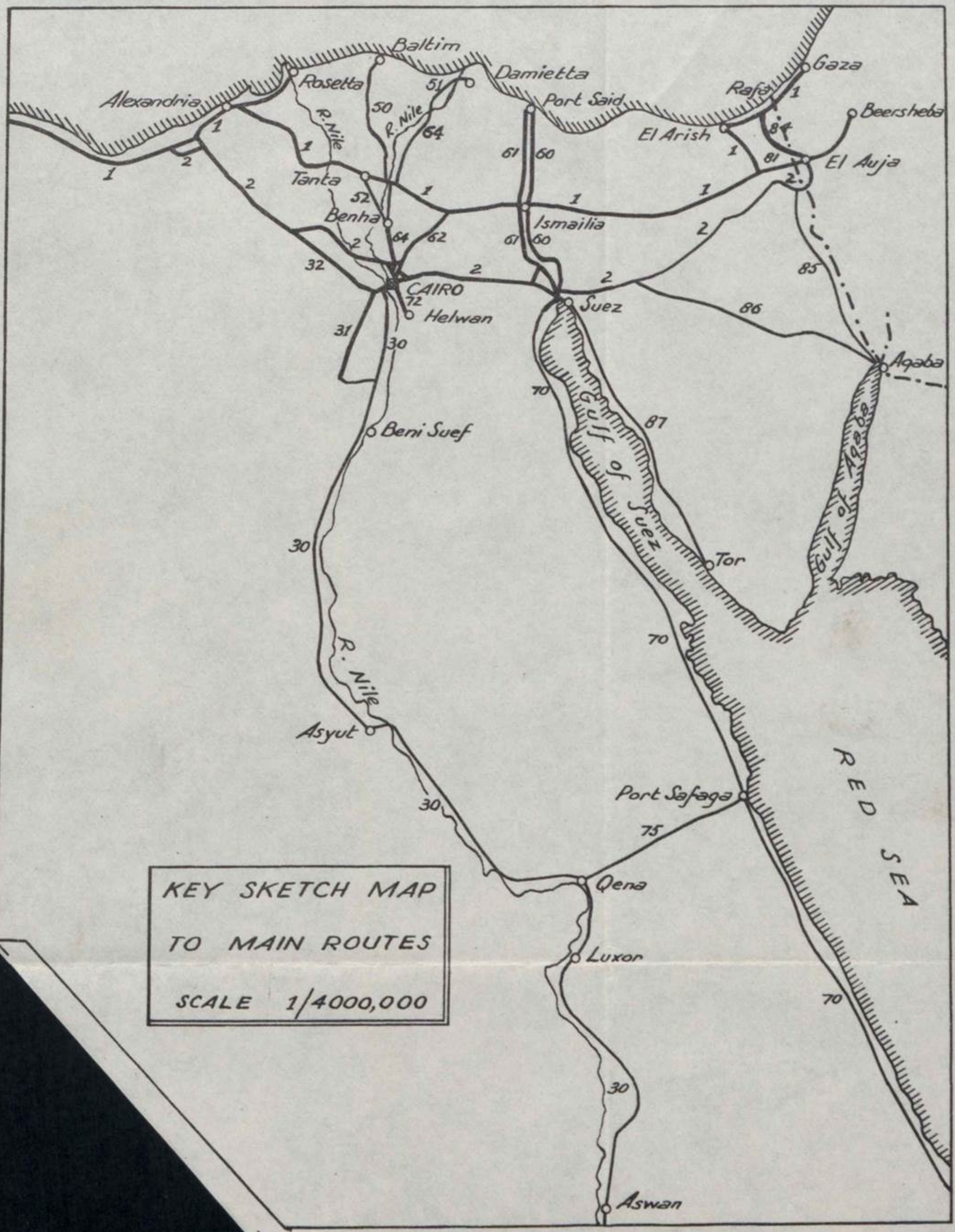
Where a number followed by the letter "A" is used in referring to a route report, *e.g.*, 404A, it indicates that the report concerned comprises more than one numbered route. The number of each of these routes appears at the head of the report but only the first number followed by the letter " A " is used in the Index.

3. *Map Grids*

EGYPT is covered by three map grids, the EGYPTIAN Purple Grid, The EGYPTIAN Red Grid and the PALESTINE Grid. *Unless otherwise stated all references are on the EGYPTIAN Red Grid.*

4. This book has been prepared by branch of Chief Engineer, B.T.E., M.E.F., from reconnaissance conducted by that branch and M.I. (T.) G.H.Q., M.E.F.

Edited and prepared for publication by M.I.(T.) G.H.Q., M.E.F
December 1943


Baltim
Damietta
Rosetta
Alexandria
R. Nile
R. Nile
Port Said
Gaza
Rafa
Beersheba
El Arish
El Auja
Tanta
Benha
Ismailia
CAIRO
Helwan
Suez
Aqaba
Beni Suef
Gulf of Suez
Gulf of Aqaba
Tor
R. Nile
Asyut
Port Safaga
Qena
Luxor
Aswan
RED SEA
KEY SKETCH MAP
TO MAIN ROUTES
SCALE 1/4000,000

GROUP 1

Comprising all routes beginning with 1

Section :

FORT CAPUZZO (515377 Purple Grid)—Km. 74 Bridge (ISMAILIA) (741878 Red Grid)

(790.4 Kms. - 494.0 Miles)

Maps : 1:250,000 Egypt and Cyrenaica—

Sheets No. 3 SOLLUM—TOBRUK.
No. 5 SIDI BARRANI—MATRUH.
No. 14 DABA.
No. 15 ALEXANDRIA.
No. 16 CAIRO.
No. 17 SUEZ CANAL.

Date of Recce. : 31 December 1942.
13 January 1943.
14 January 1943.
15 January 1943.

Start : Level crossing 200 yds. east of Fort CAPUZZO.

Limiting Factors :

Minimum Road Width	9 ft.
Minimum Bridge Classification	18 tons
Minimum Overhead Clearance	15 ft.
All Weather or Dry Weather Road ...	All Weather

GENERAL REMARKS

SOLLUM Escarpment (km. 9.8) has two routes down it with one-way traffic. The main route with a maximum gradient of 1 in 6 is used for westbound traffic and the subsidiary route, maximum gradient 1 in 4, for eastbound traffic. Vehicles of three tons weight or more, use the main route for both directions. There is also a way down HALFAYA PASS (see Route No. 300).

As far as ALEXANDRIA, the road runs through desert or sparse cultivation. Most of the desert is firm enough to run on except where mentioned in the text. Care, however, must be taken to avoid unmarked minefields between FORT CAPUZZO and ALEXANDRIA. Although many of the minefields are mentioned in the text, this must not be taken to mean that the list is complete and the probability of the existence of minefields apart from those mentioned, must not be overlooked. The immediate sides of the road have, however, been checked and it is safe to pull off the road for a maximum of 10 ft.

After leaving ALEXANDRIA as far as EL ABBASA, the road runs through cultivated land and no departure from the road is possible. By-passes exist for the main towns on the route, but some of the villages are very congested with pedestrians and animals.

After leaving TANTA the road is lined with old bitumen drums which restrict the pull off on both sides.

Between DAMANHUR and EL ABBASA there are numerous small culverts under the road, but they are sufficiently wide as not to obstruct the route and sufficiently strong to take the heaviest vehicles.

From EL ABBASA to the end of the route the road passes through sparsely cultivated land.

DETAILED REPORT

Kms.		*Purple Grid*		*Kms.*
0.0		(515377)	Leave level crossing, macadam road, 20 ft. wide, open desert both sides ; good firm going. Rocky in places. Surface M.	790.4
1.9		(517376)	Frontier Cyrenaica–Egypt. Road 25 ft. wide, stone soling, surface B to VB. Maximum speed 10 m.p.h. Mines left.	788.5
2.5		(517376)	End of mines.	787.9
3.5	Road Junction	(518376)	Fork left. Track right to HALFAYA. (Route No. 300.)	786.9
5.8		(521375)	Macadam road, surface M., 20 ft. wide.	784.6
9.7	SOLLUM	(525376)	Enter town. Stone soling, surface B–VB.	780.7
9.8	Road Junction	(525376)	Road divides into two routes over SOLLUM escarpment. Keep right. One way traffic (See General Remarks).	780.6
10.0		(525376)	Top of escarpment. C.M.P. outpost.	780.4
10.2		(526376)	Track 14 ft. wide, stone soling, surface B.	780.2
11.5		(526375)	Rejoin main road.	778.9
11.6		(526375)	Hairpin bend right.	778.8
12.0		(526375)	Bottom of escarpment. Maximum gradient—1 in 4.	778.4
14.4			Stone soling. Surface B–VB, 23 ft. wide. End of town.	776.0
15.7		(526372)	Stone soling with clay surface.	774.7
18.5	Road Junction	(528370)	Turning right to HALFAYA PASS. (Route No. 300.)	771.9
22.2	Culvert (70)	(531367)	Triple, 3 ft. diameter, each 23 ft. wide. For storm water, parapets 2 ft. high.	768.2

Kms.				*Kms.*
24.3			Macadam surface, 20 ft. wide.	766.1
25.5			Stone soling as above, 10 m.p.h. maximum.	764.9
28.2			No clay surface.	762.2
29.2			Clay surface but stony.	761.2
30.7			Macadam surface, 20 ft. wide. Surface M.	759.7
31.2			Stone soling as above.	759.2
35.6			Macadam surface 20 ft. wide for 200 yds.	754.8
37.5			Mines left and right for 200 yds.	752.9
38.6			Surface VB. Maximum speed 15 m.p.h.	751.8
41.2			Surface VB. Maximum speed 10 m.p.h.	749.2
42.1			Surface VB. Maximum speed 20–30 m.p.h.	748.3
49.2			Surface B.	741.2
51.1	BUQBUQ	(559364)	Beginning of camps.	739.3
52.1			Staging area. End of camps.	738.3
55.8			Surface B–VB, maximum speed varies between 10 m.p.h. and 30 m.p.h. to Km. 80.2.	734.6
61.1		(567368)	Turning right to water point 4½ miles south, gently rolling desert.	729.3
80.2			Macadam road 20 ft. wide, surface M. Some bad potholes. Pull off left 2 ft., right 9 ft. Desert flat.	710.2
91.1			Ditch beside road right for 400 yds.	699.3
93.5	SIDI BARRANI	(598379)	Enter village.	696.9
94.8			End of village. Water Point right.	695.6
103.6			Pull off right, soft for 150 yds.	686.8
121.0			Landing Ground.	669.4
129.1			Pull off left and right, soft for 500 yds and 4 ft. to 6 ft. wide. Then both 8 ft.–10 ft. wide, good.	661.3
187.6	Culvert (70)		Four culverts for storm water, 20 ins. diameter, 24 ft. wide.	602.8
188.3			Mines right.	602.1

Kms.		*Purple Grid*		*Kms.*
190.8			Mines right.	599.6
211.6			Mines left and right.	578.8
216.0	Road Junction	(712340)	Back turning right to SIWA.	574.4
216.2	CHARING X		End of mines. Water Point.	574.2
216.7			Road crosses narrow col between two wadis. Parapets on each side.	573.7
223.4			Mines left.	567.0
223.6			Bend right. Wall left short distance.	566.8
224.3			End of mines.	566.1
226.0			Mines left.	564.4
	Bridge (Now filled in)		Over A tk ditch, steel girder, timber decking, 15 ft. span, 22 ft. wide. (*Note* :—Inside the MATRUH defences there are many minefields, all, however, marked by barbed wire fences. They are not given in detail here).	
228.9	Road Junction	(720349)	Fork right on to MATRUH by-pass. Straight on to MATRUH. Pull offs rough.	561.5
231.8	Road Junction	(723349)	Back turning left to MATRUH. Pull off left and right 6–8 ft.	558.6
234.7	Bridge (Now filled in)	(725347)	Over A tk ditch, 20 ft. span, 23 ft. wide. Steel girder and timber.	555.7
240.0			Level crossing. Railway left.	550.4
243.7			Level crossing. Railway away to right.	546.7
244.7	Road Junction	(734342)	Back turning left to MATRUH.	545.7
246.6	Bridge (Now filled in)	(735341)	Over wadi, 16 ft. span, 20 ft. wide, timber on concrete abutments.	543.8
247.9			Level crossing, railway left.	542.5
250.2	GERAWLA	(737338)	Station left. Water Point.	540.2
250.7			Patch of trees left and right.	539.7
259.9			Turning left.	530.5
260.7	QASABA	(745332)	Desert flat.	529.7
265.8			Join railway, left. Desert undulating.	524.6

Kms.		*Purple Grid*		*Kms.*
267.1			Level crossing. Railway away to right.	523.3
269.2			Mines left and right.	521.2
269.4	Bridge	(754331)	Over A tk ditch, 19 ft. span, 25 ft. wide. Steel girder (partly blocked with stone).	521.0
269.5			End of mines.	520.9
270.4			Mines left for 50 yds.	520.0
272.4			Desert becoming hilly. Escarpment right.	578.0
272.7			Surface B.	517.7
274.0			Turning left.	516.4
274.7			Surface M.	515.7
276.7	SIDI HANEISH	(760329)		514.7
278.7			Turning left.	511.7
280.3			Mines right.	510.1
283.6		(767326)	End of mines. A tk ditch left and right but not under road. Road width limited to 24 ft.	506.8
285.1			Level crossing. Railway away to left.	505.3
291.0			Mines left and right.	499.4
293.3			End of mines.	497.1
296.2	Road Junction	(779323)	Turning left to ABU HAGAG.	494.2
300.0			Top of escarpment.	490.4
300.4		(783322)	Level crossing, railway away to right.	490.0
300.7			Bottom of escarpment.	489.7
305.1	Road Junction	(787321)	Turning right to FUKA. Desert hilly.	485.3
323.6			Desert flatter—undulating.	466.8
339.3			Aerodrome right.	451.1
346.5	Road Junction	(828317)	Turning left to SANYET GABIR.	443.9
349.5			Sharp bend left.	440.9
349.7	DABA	(831316)	Start of camps.	440.7
356.4			Staging area.	434.0
357.6	Road Junction	(838317)	Turning right to DABA. End of camps.	432.8
386.2	SIDI ABDEL RAHMAN	(866309)	Village right.	404.2
389.5			Mines left and right.	400.9
398.7			Desert flat.	391.7
400.6			End of mines.	389.8

Kms.		*Purple Grid*		*Kms.*
402.2			Mines left and right for 100 yds.	388.2
404.7			Mines left. Road on ridge.	385.7
408.5			End of mines left and right.	381.9
409.1			Mines left and right for 300 yds.	381.3
412.2			Mines left and right.	378.2
412.6	Road Junction	(886294)	Turning right to ALAMEIN.	377.8
		End of	Road surface B., 25 m.p.h.	
		Purple Grid	End of mines.	
414.5			Mines right for 200 yds. and patches of mines to Km. 443.6.	375.9
447.3			Road starts down left off ridge, runs between ridge on right and white sand dunes on left. Pull off left and right 6–10 ft. Fig plantations begin. Surface M–B.	343.1
		Red Grid		
449.1		(455907)	Start of EL IMAYID staging area.	341.3
453.7	Road Junction	(459909)	Turning right to EL HAMMAN	336.7
454.9			Desert rocky, right.	335.5
455.6			Desert hummocky for 100 yds.	334.8
456.4			End of staging area.	334.0
459.6			Old track parallels road, left, but is swampy. 6 ft. pull off left, 8 ft., right.	330.8
462.3			Fig trees left and right. Old track dry.	328.1
463.7			Patchy cultivation left and right.	326.7
465.1			Palms left.	325.3
467.9			Rocky slope right.	322.5
468.2			Barbed wire fence perpendicular to road right and left. No palms.	322.2
469.3	Road Junction	(473916)	Turning right to BURG EL ARAB. (Route No. 2.)	321.1
469.7	ABU SIR		Ruins right. House left.	320.7
470.0			Roman lighthouse right.	320.4
470.4			Patchy fig trees left and right.	320.0
470.7			Patchy fig trees left. Rocky spot left.	319.7
472.6			Patches of soft sand left.	317.8
473.0			Patches of soft sand right. Rocky mounds 100 yds. left.	317.4
473.7			Fig patches left and right. These extend all the way to MEX.	316.7

Kms.				*Kms.*
474.6			Pull off left reduced by being cut by rain water.	315.8
476.0	Road Junction	(478919)	Link road to "A" track right. Cars only.	314.4
476.7			Stone building on side of road right, track goes around it.	313.7
477.2			Pull off left, soft.	313.2
477.6			Palms and water wells left.	312.8
478.3			Palms and water wells left.	312.1
481.1			Palms left.	311.4
481.5			Palms left.	308.9
483.9	Road Junction	(485923)	Turning right to SIDI KREIR.	306.5
484.3			Narrow spot on right, pull off 3 ft.	306.1
485.2			Pull off left 4 ft. wide.	305.2
485.7			Pull off left 6 ft. wide	304.7
486.2			Houses right.	304.2
486.7			Parking right, but pull off soft.	303.7
489.6			Palms left.	300.8
490.6			Minefields left and right. A tk ditch (not under road). Barbed wire fence parallel right to km. 491.0.	299.8
491.5			Sides swampy left and right for 300 yds.	298.9
492.5			Mines left and right. No pull off left.	297.9
493.3			Parking right.	297.1
494.0			Swampy left road on a bank.	296.4
495.2	Road Junction	(494930)	Turning right to AMIRIYA.	295.2
495.5			Pull off right variable.	294.9
496.2			Pull off right 6 ft.	294.2
496.8			Bad spot on pull off left due to rock.	293.6
498.4			Parking left and right. Settlement left.	292.0
499.9			No parking.	290.5
501.0	Road Junction	(499934)	Back turning right to AMIRIYA. (Route No. 420.)	289.4
501.4	DEKHEILA.	(499934)	Railway right. Pull off 2 ft. left, 6 ft. right, but both very variable. Limited parking right to Km. 502.8.	289.0

Kms.				*Kms.*
503.5		(501935)	Level crossing. Railway left for short way. Quarries right. No pull off right, 3 ft. pull off left in places.	286.9
503.8			Civil aerodrome left.	286.6
504.5	Road Junction	(502936)	Turning left to aerodrome, 6 ft. pull off right. Turning right to South Road.	285.9
504.9		(502936)	Mohammedan cemetery left. End of pull off right.	285.5
505.0			Houses start.	285.4
505.6			Pull off left and right 12 ft. for 100 yds., thereafter between light poles only.	284.8
506.3			7 ft. pull off left.	282.1
506.8			Limited parking right for 300 yds.	283.6
507.3			Limited parking left for 150 yds.	283.1
507.5			Level crossing (siding).	282.9
507.7	Road Junction	(504938)	Back turning right to AMIRIYA (South Road).	282.7
507.9			Turn left over level crossing then right. Road winding with sharp bends along sea. No pull off.	282.5
508.6			Pull off and limited parking.	281.8
508.9			Level crossing over tram lines. Tramway on bank to left.	281.5
509.1			Tram lines to left. Not macadamized, but can be run on. Pull off right between light poles.	281.3
509.8			Tannery left. Surface B.	280.6
510.3			Tram track macadamized. Total road width 40 ft.	280.1
510.9			Surface M to B. Very many animal carts all over the road to Km. 516.3.	279.5
513.3			Narrow place 25 ft. wide. Granite setts.	277.1
513.5	Road Junction	(508941)	Turn left. Turning right to AMIRIYA (South Road). (Route No. 421.)	276.9
	Bridge (70)		Over GABBARI marshalling yards.	

Kms.				*Kms.*
514.0	Bridge (70)	(509941)	Over canal. Bear left with tramlines ; straight on Route No. 422.	276.4
514.4	Road Junction	(509942)	Fork right. Straight on to ALEXANDRIA town.	276.0
514.7			Surface B. Partly unpaved.	275.7
515.8			Trams away to left, macadam road, surface M to B.	274.6
516.1		(510943)	Turn right and bear left around gardens.	274.3
516.3			ALEXANDRIA Main Station right.	274.1
516.5			Keep straight on over crossroads to—	273.9
516.6	KOM EL DIK		T-junction. Turn right.	273.8
517.5			Bear left as far as	272.9
517.9			Crossroads. Turn right. Double carriageway, 35 ft. wide each. Tramlines. AVENUE FOUAD.	272.5
518.3			Trams away to right.	272.1
519.1			Single carriageway 60 ft. wide.	271.3
521.3	SIDI GABER Road Junction	(514946)	Turning left to MUSTAPHA BARRACKS. SIDI GABER Station right.	269.1
522.8			Fork left, road 50 ft. wide.	267.6
523.4			Tram level crossing.	267.0
524.4			Road 43 ft. wide.	266.0
525.1			Level crossing, trams. AVENUE MALIKA FARIDA.	265.3
526.0			Turn sharp right over level crossing, main railway. Road 33 ft. wide.	264.4
526.7	Crossroads	(518948)	Keep straight on. Left to ROSETTA (Route No. 405). Right to ALEXANDRIA.	263.7
	Bridge (40)		Over canal, 27 ft. total span. Two span R.C. and brick R.C. piles. Two 6 ft. footpaths. Road 21 ft. wide, 6 ft. pull off each side.	
527.1			Road 60 ft. wide.	263.3
527.2			Road 21 ft. wide.	263.2
527.8			Bear right. Road 21 ft. wide, 5 ft. pull off each side.	262.6

Kms.				*Kms.*
527.9			Level crossing, Decauville.	262.5
528.5	Culvert		Small, 30 ft. wide.	261.1
530.1	Road Junction	(519946)	T-Junction. Turn left. Right back to ALEXANDRIA. (Route No. 422.) Canal (MAHMUDIYA) right. Road 20 ft. wide, 3–4 ft. pull off each side.	260.3
530.4	Bridge (40)	(519945)	Over canal, 11 ft. span, 30 ft. wide. Two 1 ft. footpaths, R.C. and brick. Pull off 5–6 ft. each side.	260.0
532.5			Settlement over canal, right.	257.9
533.6			Pull off right restricted by guy wires on telegraph poles.	256.8
534.5			Settlement, left.	255.9
536.2		(524943)	Small settlement, left. Parking for 200 yds. right.	254.2
537.3	Road Junction	(525943)	Turning left to TOLOMBAT.	253.1
538.5		(526942)	Settlement left. Pull off right, bad.	251.9
538.9			Entrance to SMOUHA Estate left.	251.5
539.7			No pull off right for short distance, due piles of stone.	250.7
540.6	Bridge (40)	(528940)	Over canal, 7 ft. span, 40 ft. wide, R.C. and brick. No pull off right for 200 yds. due piles of earth and stone.	249.8
541.5			Restricted pull off right due piles of stone.	248.9
542.4			No pull off left for 100 yds. Small settlement left. Pull off left very bad. Pull off right 5 ft.	248.0
543.4	KANG OSMAN	(529937)	Village over canal, right.	247.0
544.5	KAFR SILIM	(530937)	Village 200 yds. left.	245.9
545.2		(531937)	Settlement left. Both pull offs bad.	245.2
546.1	KAFR EL DAUWAR	(531936)	Enter town. Pull offs bad and variable.	244.3
546.8			Footbridge over canal, right.	243.6

Kms.				*Kms.*
547.0	Bridge (40)	(532936)	Turn right over bridge (130 ft. span, swing, central support, steel, 24 ft. wide. Two 6 ft. footpaths). Turn left. No pull off left. Right, 6–8 ft. Canal left.	243.4
547.8			Pull off left and right, 3 ft.	242.6
549.3			Bad place in pull off left.	241.1
549.6	Bridge (40)	(534936)	Brick arch 4 ft., span 35 ft., 30 ft. wide, set in road on curve. Few huts right. Bad places in pull off left.	240.8
549.8	Bridge (40)	(534936)	Over canal, two span, brick arch, each span 4 ft., 35 ft. wide. Pull off left 1–4 ft. Vineyards, etc., right to 550.7.	240.6
550.8			Pull off left overgrown for 100 yds.	239.6
551.0			Brick factory over canal left.	239.0
551.9	Bridge (40)	(537936)	Over regulator, brick arch, 8 ft. span, 26 ft. wide.	238.5
552.1	EL KARYUN	(538936)	Settlement right, pull off left bad, right restricted by poles.	238.3
553.0			End of village.	237.4
553.7			Small village.	236.7
553.8	Bridge (40)	(539935)	Over regulator, brick arch, 3 ft. span, 26 ft. wide.	236.6
555.8			Huts on edge of road for 120 yds. No pull off right. Then pull off left 3 ft., right 4–6 ft.	234.6
557.2			Restriction pull off right due to trees for 120 yds. Pull off left 2–3 ft.	233.2
559.3	EL GHABA	(543934)	Settlement left.	231.1
559.6			Piles of stone, left.	230.8
560.0		(545934)	Settlement scattered to Km. 112.5. No pull off left. Pull off right bad.	230.4
562.3	Bridge (40)	(547933)	Over regulator, brick arch, 8 ft. span, 25 ft. wide.	228.1
562.5	Bridge (40)		Two span brick arch, each span 30 ins., 33 ft. wide.	227.9
562.8		(547933)	Settlement.	227.6

Kms.				*Kms.*
563.7	Bridge (40)	(548933)	Over regulator, brick arch, 9 ft. span, 24 ft. wide. Piles of stone left to Km. 115.3. No pull off right. Then 3 ft. left, 4–5 ft. right.	226.7
564.7		(549933)	Settlement right.	225.7
565.3	Crossroads	(549933)	Left to BIRKET GHITAS. Right to ABU HUMMUS. Parking left for 100 yds.	225.1
565.6			Pull off left 2–3 ft., right 5–6 ft.	224.8
567.7	Two Bridges (40)	(551932)	Each 8 ft. span, 23 ft. wide, brick arch regulator. Pull off left 1 ft., right 4–5 ft.	222.7
568.1			Pull off left 2–3 ft.	222.3
561.4			Settlement. Mound ½ mile right.	222.0
569.0			Pull off left 3–4 ft., right 5–8 ft.	221.4
570.2			Pull off left and right 4–6 ft.	220.2
571.3		(555931)	Settlement. Pull offs bad.	219.1
572.7		(556931)	Settlement.	217.7
573.9		(557931)	Settlement.	216.5
575.3			Pull off right, bad for 150 yds. Then pull off left and right 4–6 ft.	215.1
576.0	Bridge (40)	(560931)	Brick arch over regulator, 10 ft. span, 23 ft. wide.	214.4
	Culvert (bricked up)		23 ft. wide.	
	Road Junction		Turning right to BASTARA.	
576.5		(560931)	Settlement.	213.9
576.7		(560931)	Swing steel bridge over canal left.	213.7
577.4	Many small culverts 35 ft. wide from here to DAMANHUR	(561930)	Settlement left.	213.0
578.5		(561929)	Small settlement left.	211.9
580.2		(563928)	Settlement right, pull off left and right 4–5 ft.	210.2
581.7		(563927)	Pull off left and right 5–6 ft.	208.7
582.2	DAMANHUR	(564927)	Enter town.	208.2
582.3		(564927)	Double carriageway, 23 ft. wide each.	208.1

Kms.				*Kms.*
582.7		(564927)	Fork left, road 20 ft. wide then 25 ft. Canal left.	207.7
583.2			Road 30 ft. wide.	207.2
583.4			Level crossing, light railway.	207.0
583.6	Road Junction	(564925)	Turning left to EL ATF EL MAHMUDIA.	206.8
584.5			Road narrows to 20 ft.	205.1
585.3			Road 35 ft. wide.	204.9
585.5			Level crossing 20 ft. wide. End of houses.	204.3
586.4			Level crossings, main and light railways, main line crossing 20 ft. wide. Turn left. Road 20 ft. wide. Two railways and small canal left. Pull off left 12 ft., right 6 ft.	204.0
587.8	Bridge (40) Road Junction	(565922)	14 ft. span, 25 ft. wide, R.C. and brick. Back turning right to DAMANHUR.	202.6
588.2	Bridge (40)		Brick arch, 4 ft. span, 35 ft. wide (excluding light railway).	202.2
590.1	Road Junction	(567921)	Level crossing, light railway which leaves to right. Turning right to DILINGAT.	200.3
	Bridge (40)		Brick arch, 4 ft. span, 27 ft. wide.	
590.8			Building right. Pull off left and right 6 ft.	199.6
591.2		(567920)	Small settlements.	199.2
595.0	Bridge (40)	(571918)	Regulator, brick arch, 5 ft. span, 22 ft. wide.	195.4
595.6	DINSHAL	(571918)	Station. Drain right.	194.8
597.9	Bridge (40)	(573916)	Two span over canal. Each span 8 ft., 22 ft. wide. Pull off left, 5–6 ft., right 2–4 ft.	192.5
601.0	Road Junction	(575914)	Turning right to SAFT EL MALUK village.	189.4
601.2	SAFT EL MALUK	(576914)	Station. Settlement right, pull offs bad.	189.2
602.8	Bridge (40)	(577913)	Brick arch, 8 ft. span, 27 ft. wide.	187.6
610.0		(582908)	Level crossing Decauville track.	180.4

Kms.				*Kms.*
610.2	ITYAI EL BARUD	(582908)	Station.	180.2
	Crossroads		Turning left to SHUBRA KHIT. Turning right to DILINGAT.	
610.5			Level crossing light railway.	179.9
610.9		(583907)	Branch railway crosses road to right. Canal and railway left. Pull off left 6–8 ft., right 10 ft.	179.5
612.8			Parking right for 400 yds.	177.6
614.6	Bridge (40)	(585905)	Brick arch, 3 ft. span, 30 ft. wide. Pull off left 8 ft., right 6 ft.	175.8
620.7		(590901)	Settlement left.	169.7
621.3	EL TAUFIQIYA	(590901)	Mosque and village right. No pull offs in village.	169.1
621.6			Road 24 ft. wide. Pull off left and right 8 ft. Sharp bend left.	168.8
622.0	Road Junction	(591900)	Turning right to BARRAGE (Route No. 40).	168.4
	Bridge (40)		Over canal. Two span. Total span 150 ft., 24 ft. wide. Two 3 ft. footpaths. Steel girder and masonry. Road 20 ft. wide. Pull off left 5 ft., right 7 ft.	
622.1	Road Junction	(591900)	Turning left to NIKLA EL INAB. (Route No. 40.)	168.3
622.7	Bridge (40)	(591900)	Two span. Total span 150 ft., 20 ft. wide. Pipe piles in the centre of each span steel girder and brick. Two 1 ft. footpaths. Railway left. Pull offs 6–8 ft.	167.7
623.9		(593900)	Settlement left.	166.5
625.0		(594900)	Settlement right.	154.4
625.3	Bridge (40)	(594900)	Over canal. 6 ft. span, 35 ft. wide. Two 1 ft. footpaths, R.C. and brick. Pull offs 6 ft.	165.1
627.6	Bridge (40)	(596901)	Over Nile. Six span. Total 1600 ft. span, 35 ft. wide. Two 6 ft. footpaths. Steel girder and masonry.	162.8
628.9	Bridge (40)	(598901)	Over canal. 30 ft. span, 36 ft. wide. Two 1 ft. footpaths. R.C. and brick.	161.5

Kms.				*Kms.*
	Crossroads		Right to MINUF, left to KAFR EL ZAIYAT. (Route No. 53.) Pull offs 6–8 ft.	
629.6	Bridge (40)		Over drain. 40 ft. span, 35 ft. wide. R.C. and brick.	160.8
630.1	Bridge (40)		Over drain. 55 ft. span, 25 ft. wide. Two 30 in. footpaths. R.C. and brick.	160.3
630.4	Bridge (40)	(599901)	Railway over road. Clearance 15 ft., 38 ft. wide. Two 1 ft. footpaths.	160.0
	Road Junction		Turn right. Turning left to KAFR EL ZAIYAT. Railway right, light railway left. Pull off left 3 ft., right 6 ft.	
631.5	Bridge (40)	(600901)	(DALGAMUN) over canal. 230 ft. total span, 23 ft. wide, composed of three parts. (1) Two fixed spans, R.C. and brick. (2) One swing span, steel. (3) One fixed span, R.C. and brick. Pull off left and right 4–8 ft. Light railway goes away left.	158.9
632.4			Pull off left up to 8 ft., right up to 10 ft.	158.0
633.3			Pull off right 2 ft. due to trees up to Km. 634.2. Pull off left 4 ft.	157.1
634.1			Parking right for 100 yds.	156.3
634.8	Bridge (40)	(603900)	Over canal. 45 ft. span, 20 ft. wide. R.C. and brick. Two 4 ft. footpaths. No pull offs for 80 yds.	155.6
639.1	SHUBRA EL NAMLA	(607899)	Pull off 0–8 ft. Most of village to left.	151.3
640.3			End of village.	150.1
640.8	Culvert	(609899)	Over small canal. 2 ft. span, 35 ft. wide.	149.6
642.1		(610898)	Town 600 yds. left MAHALLET MARHUM.	148.3

Kms.				*Kms.*
644.1	Road Junction	(612898)	Turning left to MAHALLET MARHUM. (Route No. 54.)	146.3
644.2			Light railway joins road left. Turning right to SHIBIN EL KOM.	146.2
	Bridge (40)		Over canal. R.C. and brick, 38 ft. span, 20 ft. wide. Two 3 ft. footpaths.	
644.3			Level crossing light railway.	146.1
644.7	Road Junction	(612898)	Turn left on to TANTA by-pass, straight on to TANTA. Pull off left and right 7 ft.	145.7
647.2	Road Junction	(612898)	Turning right to TANTA.	143.2
647.9	Bridge (40)		Over canal, R.C. and brick. Two span, 95 ft. total span, 20 ft. wide. Two 1 ft. footpaths.	142.5
	Crossroads	(614899)	Join Route No. 52 at Km. 37.0. Turn right. Turning left to KAFR EL SHEIKH. Pull off left, 4 ft., right, 6 ft. Big canal right.	
648.4	Bridge (40)		Over canal, R.C. and brick, 25 ft. span, 45 ft. wide. Two 1 ft. footpaths.	142.0
	Crossroads	(616898)	Left to MAHALLA EL KUBRA, Route No. 55. Right to TANTA. Keep straight on.	
648.7	Crossroads	(617897)	Turn left. Straight on to BENHA (Route No. 52).	141.7
	MITHIBEISH		Right to TANTA. Village, very many pedestrians.	
649.4			Pull off left and right, 6 ft.	141.0
650.0	Bridge (40)	(618896)	Over drain, R.C. and brick, 40 ft. span, 40 ft. wide.	140.4
650.9		(619896)	Settlement and plantation left.	139.5
651.2			Mohammedan cemetery left. End of plantation.	139.2
651.6	Bridge (40)	(619896)	Over canal, 35 ft. span, 25 ft. wide. Two 30 in. footpaths, R.C. and brick.	138.8
652.1		(619895)	Settlement left.	138.3

Kms.				*Kms.*
655.4	SHUBRA QAS	(621892)	Level crossing.	135.0
655.9	Bridge (40)	(622892)	Over canal, R.C. and brick, 14 ft. span, 27 ft. wide. Two 2 ft. footpaths.	134.6
656.0	Road Junction	(622892)	Turning right to BIRKET EL SAB and BENHA.	134.4
656.5			Railway joins road left.	133.9
657.5	Bridge (40)	(623892)	Over canal, R.C. and brick, 11 ft. span, 35 ft. wide. Two 1 ft. footpaths.	132.9
658.6	Bridge (40)	(624892)	Over canal, R.C. and brick, 29 ft. span, 27 ft. wide. Two 30 in. footpaths. Settlement. Railway leaves road.	131.8
660.0	Road Junction	(626891)	Fork right on to SANTA by-pass.	130.4
660.4	Bridge (40)	(626891)	Over canal, R.C. and brick, 37 ft. span, 25 ft. wide. Two 30 in. footpaths.	130.0
661.1	Crossroads	(627891)	Left to SANTA, right to BIRKET EL SAB.	129.3
661.3	Bridge (18—Overhead Clearance 21 ft.)	(627891)	Over canal. Two fixed spans, 90 ft. total, R.C. and brick. One lift span, 35 ft., width 11 ft. Pull off left and right, 6 ft.	129.1
661.8	Crossroads	(627890)	Left to SANTA, right to SHIBIN EL KOM.	128.6
662.0			Canal left. Railway joins road left.	128.4
664.2	MASHALA	(628890)	Village left.	126.2
665.5	Bridge (40)	(631890)	Over drain, R.C. and brick, 40 ft. span, 20 ft. wide. Two 1 ft. footpaths.	124.9
667.1			Leave canal and railway left.	123.3
667.8	Bridge (40)	(633890)	Over canal, R.C. and brick, 35 ft. span, 25 ft. wide. Two 30 in. footpaths.	122.6
	Road Junction		Turning right to BIRKET EL SAB.	
668.6	Bridge (40)	(634890)	Over drain, R.C. and brick. Three-span, 70 ft. total span, 20 ft. wide. Two 1 ft. footpaths.	121.8

Kms.				*Kms.*
669.2	Bridge (40)	(634889)	Over canal, R.C. and brick, 16 ft. span, 25 ft. wide. Two 3 ft. footpaths.	121.2
670.1	Bridge (40)	(635889)	Over drain, R.C. and brick, 50 ft. span, 20 ft. wide. Two 1 ft. footpaths.	120.3
672.0	Road Junction	(637889)	Join Route No. 50 at Km. 3.1.	118.4
	Enter ZIFTA		Right to BENHA. Level crossing. No pull off left or right.	
673.1		(638889)	Rolled soling only.	117.3
673.2		(638889)	Level crossing, light railway.	117.2
674.1	Road Junction	(638890)	Leave Route No. 50. Turn right. Straight on Route No. 50.	116.3
	Bridge (40)		Over light railway, R.C. and brick, 10 ft. span, 20 ft. wide. Two 3 ft. footpaths.	
674.3		(638890)	Station left.	116.1
674.5		(638890)	Fork left.	115.9
674.6			Macadam surface.	115.8
674.8	Bridge (40)	(639890)	Over River Nile (DAMIETTA Branch). Single line traffic only. Clearance 18 ft. 4 ins. After crossing bridge turn immediate left over level crossing.	115.6
	MITGHAMR		Railway right. Road 22 ft. wide.	
675.5	Crossroads	(640890)	Left to MANSURA. Right to MIT GHAMR. Pull off left and right, 6 ft.	114.9
676.6	Crossroads	(641888)	Left to MANSURA. Right to BENHA. (Route No. 64.)	113.8
	Bridge (40—Overhead Clearance 16 ft. 8 ins.)		Over canal, steel swing, 100 ft. span, 9 ft. wide (shared with railway).	
678.2	Bridge (40)	(642889)	Over canal, R.C. and brick, 40 ft. span, 27 ft. wide. Two 2 ft. footpaths. Leave railway right.	112.2
678.5	Crossroads	(642889)	Left to SIMBILLAWEIN. Right to MINYET EL QAMH. (Route No. 602.)	111.9

Kms.				*Kms.*
678.7			Rejoin railway. Pull off left and right, 7–9 ft.	111.7
679.4	Bridge (40)	(643888)	Over drain, R.C. and brick, 13 ft. span, 27 ft. wide. Two 18 in. footpaths.	111.0
681.0	Bridge (40)	(644887)	Over canal, R.C. and brick, 20 ft. span, 33 ft. wide. Two 2 ft. footpaths.	109.4
	Bridge (40)		Over canal, R.C. and brick, 8 ft. span, 33 ft. wide. Two 2 ft. footpaths.	
681.5	DUNDIT	(645887)	Station right.	108.9
682.7	MIT EL FARAMAWI	(646886)	Village 400 yds. left.	107.7
	Bridge (40)		Over drain, R.C. and brick, 16 ft. span, 23 ft. wide. Two 2 ft. footpaths.	
683.6	Bridge (40)	(647886)	Over canal, R.C. and brick, 25 ft. span, 25 ft. wide. Two 2 ft. footpaths. Road 23 ft. wide.	106.8
685.6	Bridge (40)	(648885)	Over drain, R.C. and brick, 16 ft. span, 25 ft. wide. Two 2 ft. footpaths.	104.8
686.8	MIT EL QURASHI	(649884)	Station right.	103.6
	Bridge (40)		Over canal, R.C. and brick, 20 ft. span, 35 ft. wide. Two 3 ft. footpaths.	
688.5	Bridge (40)	(651883)	Over canal, R.C. and brick, 27 ft. span, 25 ft. wide. Two 3 ft. footpaths.	101.9
689.4	Bridge (40)	(651883)	Over canal, R.C. and brick, 16 ft. span, 25 ft. wide. Two 3 ft. footpaths.	101.0
690.1	Bridge (40)	(652882)	Over canal, R.C. and brick, 18 ft. span, 25 ft. wide. Two 3 ft. footpaths.	100.3
690.8	OM EL ZEIN	(652882)	Halt right.	99.6

Kms.				*Kms.*
692.1	Bridge (40)	(654881)	Over drain, R.C. and brick, 45 ft. span, 25 ft. wide. Two 3 ft. footpaths.	98.3
693.8	Bridge (40)	(655880)	Over canal, R.C. and brick, 25 ft. span, 25 ft. wide. Two 3 ft. footpaths.	96.6
694.9	EL NAKHLAS	(656879)	Station right.	95.5
695.8			Leave railway right.	94.6
696.1	Bridge (40)	(657879)	Over canal, R.C. and brick, 12 ft. span, 25 ft. wide. Two 3 ft. footpaths.	94.3
	KAFR EL LUSUS		Village right.	
696.6			Level crossing, light railway.	93.8
697.2			Rejoin railway right.	93.2
697.5			No pull off left or right for 150 yds. then 6–8 ft. each.	92.9
701.4			S-bend left and right.	89.0
701.9	Bridge (40)	(661875)	Over canal, swing, steel, on brick, 120 ft. span, 25 ft. wide. Two 4 ft. footpaths.	88.5
	Road Junction		Turning left to ZAGAZIG Road, 20 ft. wide. No pull offs.	
702.5			Level crossing 14 ft. wide.	87.9
703.0		(661874)	Level crossing 16 ft. wide.	87.4
	Crossroads		Left to ZAGAZIG. Right to BENHA (Route No. 65).	
	Bridge (40)		Over drain, R.C. and brick, 7 ft. span, 35 ft. wide.	
703.2	Road Junction	(661874)	Fork left. Straight on to MIT GABIR. Road 20 ft. wide. Pull off left and right, 4–5 ft.	87.2
	Bridge (40)	(663873)	Over canal, R.C. and brick, 12 ft. span, 25 ft. wide. Two 1 ft. footpaths.	84.8
706.2	Crossroads	(664873)	Level crossing. Left to ZAGAZIG, right to BILBEIS (Route No. 63).	84.2
707.0	Bridge (40)	(664874)	Over canal, R.C. and brick, 11 ft. span, 35 ft. wide. Two 1 ft. footpaths. Pull off left and	83.4

Kms.				Kms.
			right, 4 ft. clear, 10 ft. between barrels.	
	Road Junction		Back turning left to ZAGAZIG.	
708.4		(665875)	Canal left.	82.0
709.7			Pull offs very variable 2–10 ft.	80.7
711.8	KAFR KHALIL MUSA	(668874)	Footbridge over canal left.	87.6
713.0	Bridge (40)	(669873)	Over regulator, three-span, R.C. and brick, 45 ft. total span, 30 ft. wide. Two 1 ft. footpaths.	77.4
715.5			Railway over canal left.	74.9
716.4	Bridge (40)	(673872)	Over drain. Three-span, R.C. and brick, R.C. piles, 90 ft. total span, 20 ft. wide. Two 1 ft. footpaths.	74.0
	Road Junction	(673872)	Turning right to BILBEIS.	
716.5	Bridge		Over drain, R.C. and brick, 45 ft. span, 20 ft. wide. Two 3 ft. footpaths.	73.9
717.3	SAFT EL HIMA	(674872)		73.1
719.4	SIWA	(675871)	Station left.	71.0
	ABU HAMMAD	(679869)		
723.9	Crossroads		Turning right to BILBEIS, left to ABU KEBIR (Route No. 68).	66.5
724.6	Bridge (40)		5 ft. span, 50 ft. wide.	65.8
726.2	Bridge (40)		4 ft. span, 48 ft. wide.	64.2
726.9	Culvert		Small.	63.5
727.2	Road Junction	(683870)	Turn left. Straight on to CAIRO (Route 62).	63.2
	Bridge (40)		Over canal, steel, swing, brick abutments, 65 ft. span, 25 ft. wide. Two 3 ft. footpaths.	
728.1		(683870)	Canal parallels road right. Railway at varying distance left, sparse cultivation. Pull off left and right, 4–8 ft.	62.3
731.4		(687873)	Bad spot, pull off left.	59.0
732.1		(687873)	Bad spot, pull off left. Ferry over canal right.	58.3

Kms.				*Kms.*
732.5	Road Junction	(687873)	Turning left to TELL EL KEBIR Camp.	57.9
733.0	Culvert		Small.	57.3
734.7			Wharf on canal.	56.7
734.1	Road Junction	(689873)	Turning left to TELL EL KEBIR Camp.	56.3
734.6		(689873)	Settlement left.	55.8
735.3	TELL EL KEBIR	(690872)	Village and station left.	55.1
736.9			Trees left.	53.5
739.0		(693872)	Settlement left.	51.4
739.2			Ferry over canal right.	51.2
742.9	EL BA'ALWA		Halt on railway.	47.5
743.1		(697871)	Settlement left. Ferry over canal right.	47.3
744.7	TAHAG		Wharf right.	
	Road Junction		Turning left to camp. Pull off left, 3–6 ft.	45.7
745.6			Ferry over canal right.	44.8
749.4	Road Junction	(704872)	Turning left.	41.0
750.8		(705872)	Settlement.	39.6
752.4	Road Junction	(707872)	Turning left to QASSASSIN Camp.	38.0
753.0	Road Junction	(707873)	Turning left to QASSASSIN Camp. Wharf right. Road 25 ft. wide. No pull off.	37.4
753.1	Four Bridges (60)	(707873)	Over roads from wharf to camp. Each bridge 21 ft. span, 23 ft. wide, R.C. and brick.	37.3 to 36.9
753.8		(708873)	Road 20 ft. wide. Pull off left 4–6 ft., right 6–9 ft.	36.6
755.1	Road Junction	(709873)	Turning left to QASSASSIN Camp.	35.3
758.1			Village. Pull off left and right 1–3 ft., bad.	32.3
758.3			Ferry over canal right.	32.1
759.3			Ferry over canal right.	31.1
760.6			Pull off 3–8 ft. left, 6–9 ft. right. Soft sand.	29.8
762.1			Ferry over canal right.	28.3
765.0			Ferry over canal right.	25.4
765.0			Ferry over canal right. Pull off left and right, bad for ½ mile, then left 3–6 ft., right 6–9 ft.	25.4

Kms.				*Kms.*
768.0		(722873)	Village. Pull off left and right 0–3 ft.	22.4
768.7		(722873)	End of village. Pull off left and right variable, 2–5 ft.	21.7
773.1			Ferry over canal right.	17.3
775.0		(729874)	Settlement.	15.4
776.3	Road Junction	(730874)	Turning left to PORT SAID.	14.1
778.2			Pull off left 1 ft. for 100 yds.	12.2
779.6	Road Junction	(733874)	Turning right to FAYID.	10.8
780.1	Road Junction	(733874)	Turning right to FAYID (Route No. 61).	10.3
780.5		(734874)	Water Point right.	9.9
781.2		(734874)	Petrol Supply Point.	9.2
781.4	Road Junction	(734874)	Turning left to MOASCAR.	9.0
782.6	Road Junction	(735875)	Roundabout. Turning left to MOASCAR, right to FAYID (Route No. 60, Canal Road). Keep straight on.	7.8
783.0	Bridge (70)	(736875)	Over canal, 30 ft. span, 23 ft. wide. Steel girder, timber decking. One 4 ft. footpath.	7.4
	ISMAILIA		Road 35 ft. wide. Footpath each side.	
		(736876)	Road 25 ft. wide.	
785.1		(737876)	Turn right and right again, road 23 ft. wide. Pull off left and right 1–2 ft.	5.3
786.0			TIMSAH holiday camp right.	4.4
786.8	Road Junction	(739876)	Fork left. Camp area.	3.6
788.6	Road Junction	(740877)	Turning right to Hospital.	1.8
788.8			End of camp area. Pull off left and right 3–4 ft., restricted by kilometre posts.	1.6
789.5	Crossroads	(741878)	Turn right. Straight on to PORT SAID (Route No. 60), left to CAIRO.	0.9
790.4	Bridge	(741878)	Over SUEZ Canal.	0.0

Note :—The SUEZ Canal can also be crossed by ferry as follows :—

786.8	Road Junction	(739876)	Keep straight on.	1.3
787.7	Crossroads		Turn half right.	0.4
788.1		(740876)	Ferry over SUEZ Canal.	0.0

Section :

Km. 74 Bridge (ISMAILIA) (741878 Red Grid) to RAFA (081079 Palestine Grid)

(291.2 Kms. - 182.0 Miles)

Map : 1:250,000 Egypt and Cyrenaica—

Sheets 17 SUEZ CANAL.
18 EL ARISH.

Date of Recce. : 23 February 1943.

Start : Bridge over SUEZ Canal (741878).

Limiting Factors :

Minimum Road Width	...	...	20 ft.
Minimum Bridge Classification	...	...	18
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	All Weather

GENERAL REMARKS

The road runs through desert throughout practically its whole length. Only towards the end is there some cultivation. The desert for the most part is hilly and is soft. The parking places are marked with green notice boards.

At the blind hills and turnings the centre of the road is marked with stone inserts 1 ft. wide. The road is 23 ft. wide on these blind spots as far as ABU AWEIGILA, after which they are only 20 ft. wide.

DETAILED REPORT

Kms.				*Kms.*
0.0	Bridge (18)	(741878)	Over SUEZ Canal. Pontoon with two short fixed spans each end. 650 ft. total span, 10 ft. wide.	291.2
0.3			Road macadam. 20 ft. wide, surface M–B. No pull offs.	290.9
1.7	Road Junction	(742877)	Turn left. Turning right to ferry (Route No. 82). Stone berms 2 ft. wide left and right.	289.5
2.0			Level crossing. Rolling desert.	289.2
3.4	Road Junction	(744877)	Turning left to EL FIRDAN bridge (Route No. 83).	287.8

Kms.		*Kms.*
6.6	Blind hill.	284.6
8.3	Blind hill.	282.9
9.9	Blind hill.	281.3
10.6	Blind hill.	280.6
11.7	Blind hill.	279.5
13.9	Blind hill.	277.3
16.2	Blind hill.	275.0
16.5	Blind hill.	274.7
17.6	Blind hill.	273.6
19.1	Blind hill.	272.1
20.0	Blind hill.	271.2
21.7	Blind hill.	269.5
22.3	Blind hill.	268.9
22.8	Blind hill.	268.4
24.0	Blind hill.	267.2
25.3	Blind hill.	265.9
26.7	Blind hill.	264.5
27.3	Blind hill.	263.9
30.0	Blind hill.	261.2
30.7	Blind hill.	260.5
30.8	Camp, roadworkers.	260.4
31.7	Blind hill.	259.5
32.2	Blind hill.	259.0
33.4	Blind hill.	257.8
34.7	Blind hill.	256.5
35.8	Small gap in berms.	255.4
36.8	Blind hill.	254.4
37.0	Blind hill.	254.2
38.1	Berms left and right.	253.1
39.3	Blind hill.	251.9
42.1	Blind hill.	249.1
43.0	Blind hill.	248.6
43.8	Blind hill.	247.4
44.1	Blind hill.	247.1
45.6	Blind hill.	245.6
45.9	Parking right for 100 yds., 14 ft. wide gravel.	245.3
47.0	Blind hill.	244.2
48.1	Blind hill.	243.1
51.3	Blind hill.	239.9
54.6	Blind hill.	236.6
56.6	Blind hill.	234.6
57.8	Blind hill.	233.4
58.7	New surfacing.	232.5
59.9	Blind hill.	231.3
61.3	Blind hill.	229.9

		Kms.
61.8	Camp, road workers.	229.4
63.8	Blind hill.	227.4
65.2	Camp, road workers	226.0
66.3	Blind hill.	224.9
67.5	Blind hill.	223.7
67.8	Parking left and right.	223.4
70.3	Parking left and right.	220.9
70.9	Blind hill. Desert becoming flatter.	220.3
76.0	Parking left and right.	215.2
76.6	Parking left and right.	214.6
78.1	End of parking.	213.1
90.0	Blind hill.	201.2
91.2	Camp, road workers.	200.0
94.2	Patch of cultivation right.	197.0
94.6	Parking left and right.	196.6
96.6	End of parking. Road winding. Desert hilly.	194.6
98.2	Blind hill. Road straight.	193.0
99.7	Blind hill.	191.5
100.9	Blind hill.	190.3
106.2	Blind hill.	185.0
107.4	Parking left and right. Camp, road workers.	183.8
108.8	Sharp bend left.	182.4
109.4	Blind hill.	181.8
109.6	Parking left and right.	181.6
109.9	Blind hill.	181.3
110.6	Desert flatter.	180.6
112.2	Parking left and right.	179.0
112.8	End of parking.	178.4
114.1	Blind hill. Desert hilly.	177.1
114.3	Parking left and right.	176.9
114.8	Blind hill.	176.4
115.1	Blind hill.	176.1
115.4	Blind hill.	175.8
116.2	Parking left and right.	175.0
117.2	End of parking.	174.0
119.3	Sharp bend left.	171.9
119.7	Sharp bend right.	171.5
120.0	Parking left and right.	171.2
121.0	Desert flat. End of parking.	170.2
129.1	Curbs only.	162.1
129.8	No curbs or berms.	161.4
130.1	Parking left and right.	161.1
138.4	Berms placed.	152.8

Kms.				*Kms.*
141.0			Road recarpeted.	150.2
141.9			End of carpet.	149.3
149.3			Camps.	141.9
150.1			End of parking at 130.1.	141.1
158.6			Blind hill.	132.6
159.0			Blind hill.	132.2
162.1			Camps, road workers.	129.1
164.3			Sharp bend left.	126.9
171.1			Blind hill.	120.1
173.7			Blind hill.	117.5
176.8			Parking 150 yds. left.	114.4
177.5			Parking 300 yds. right.	113.7
182.0			Blind hill.	109.2
186.8			Parking left and right.	104.4
187.4			End of parking.	103.8
189.5			Blind hill, desert hilly.	101.7
190.0			Blind hill, desert hilly.	101.2
190.6			Blind hill, desert hilly.	100.6
191.5			Blind hill, desert hilly.	99.7
191.9			Blind hill, desert hilly.	99.3
192.6			Blind hill.	98.6
194.6			Blind hill.	96.6
195.4	Bridge (40)	(913907)	Over wadi. Five span, 220 ft. total span, 25 ft. wide. Two 3 ft. footpaths. R.C. and brick.	95.8
	Road Junction		Turning left to camps.	
	ABU AWEIGILA			
195.9	Road Junction		Keep straight on, fork right to EL AUJA (Route No. 81). Sand surface on rolled stone soling. Surface B, curbs, 20 ft. wide. Desert rough and undulating.	95.3
198.6			Macadam surface M 20 ft. wide.	92.6
200.9			Blind hill.	90.3
211.3			Patch of cultivation left.	79.9
216.8			Sharp bend left.	74.4
217.7			Sharp bend right.	73.5
220.1			Sharp bend left.	71.1
220.7			Blind hill.	70.5
221.1			Sharp bend right.	70.1
221.6			Small piece of road not macadamized.	69.6
225.4			Sharp bend left. Patches of cultivation from here on to RAFA.	65.8

Kms.				*Kms.*
226.5	Bridge (70)		Over wadi, 10 ft. span, 19 ft. wide R.C.	64.7
227.8			Blind hill.	63.4
235.2			Aerodrome left.	56.0
242.7	Road Junction	(883940)	Turning left to EL ARISH. Radio station left.	48.5
242.9			Level crossing, road turns right. Pull offs 3–4 ft. sometimes covered with blown sand. Railway right.	48.3
245.0			Blind hill.	46.2
245.6			S-bend, road crosses to right of railway. Road runs through sand dunes covered with scrub.	45.6
250.9			Station left.	40.3
252.3			Railway away to left.	38.9
253.5			Sharp bend left	37.7
253.8			Blind hill.	37.4
254.1			Blind hill. Rejoin railway left.	37.1
255.2			S-bend. Road crosses to left of railway.	36.0
256.6			Level crossing. Railway away to left.	34.6
257.8			Rejoin railway left.	33.4
258.6			Road crosses to left of railway.	32.6
259.4			Sharp bend left.	31.8
259.7			Blind hill.	31.5
260.7			Sharp bend right.	30.5
261.0			Railway away to right.	30.2
266.4			Blind hill (*dangerous*).	24.8
267.2			Blind hill.	24.0
269.1			Level crossing.	22.1
278.0	*Red Grid ends*			13.2
279.5	*Palestine Grid*		Sharp bend left.	11.7
283.7	Road Junction RAFA		Turning right to EL AUJA Camps one mile left.	7.5
284.0	Road Junction		Turning right to camps.	7.2
287.2			Frontier, Egypt–Palestine.	4.0
289.7	Road Junction		Back turning left to RAFA	1.5
291.2		(081079) (*Palestine Grid*)	Petrol Supply Point left. C.M.P. check post.	0.0

GROUP 2

Comprising all routes

beginning with 2

Section :

ABU SIR (473916)—KUBRI (767815)

(378.0 Kms. - 234.8 Miles)

Maps : 1:250,000 Egypt and Cyrenaica—

Sheets 14 EL DABA.
15 ALEXANDRIA.
16 CAIRO.
17 SUEZ CANAL.

Dates of Recce. : 17 December 1942.
18 December 1942.
31 December 1942.
25 January 1943.

Start : From Route No. 1 at Km. 469.3, turning right to BURG EL ARAB (473916).

Limiting Factors :

Minimum Road Width	... ...	7 ft. (Dual carriage-way bridge).
Minimum Bridge Classification	... ...	18
Minimum Overhead Clearance	... ...	11 ft. 9 ins.
All Weather or Dry Weather Road	...	All Weather

GENERAL DESCRIPTION

The first part of the road runs through rocky and swampy desert to the turning left at Km. 6.0. Thereafter, there is a certain amount of sparse cultivation interspersed with rocky part. The cultivation can be run on, but any considerable amount of traffic speedily disintegrates the soil into fine impalpable dust. Furthermore, during rains this type of ground is too muddy to run on.

The desert itself can be used as a subsidiary road, but care must be taken in the abandoned camps to avoid slit trenches and holes dug for tents.

Minefields are enclosed by barbed wire fences and are marked as such.

After passing the Petrol Supply Point at Km. 38.5, the road runs through open desert until approaching BIRQASH at approximately Km. 204, where there is some sparse cultivation, until the fully cultivated area is reached after crossing the bridge at Km. 214.1.

The road does not run through CAIRO, but skirts the town to the north. Traffic is not heavy, but there are many pedestrians and animals in the villages, especially QALYUB and EL HILMIYA. The road in this part is either through cultivation or houses and no departure from the road is possible until leaving the town area at Km. 248.5.

The desert is mainly firm, but there are soft patches in it. Also the road very frequently has a bank or ditch at the sides which prevents departure except at certain points.

The tracks which parallel the road for the greater part of its length in this section are quite firm enough for all types of vehicle except for a few soft patches. The tracks are however, rather rough and speed in most places is limited to about 10–15 m.p.h.

The banks and ditches which run parallel to the road in many places between CAIRO and SUEZ prevent departure from the road to join the tracks at the sides, but there are frequent places where such departure is possible.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(473916)	Turn right off Route No. 1. Macadam road 20 ft. wide, surface M, open desert. Tracks for tracked vehicles each side of road. Pull off left and right 5–6 ft.	378.0
0.2			Top of ridge. Road in cutting. No pull offs.	377.8
0.4			Pull offs as above.	377.6
0.7			Open desert.	377.3
1.2			Road on causeway.	376.8
1.9			End of causeway.	376.1
3.5			Top of second ridge.	374.5
4.1			Trees left. Plantation and buildings right. Pull off left 3–4 ft., right 8–10 ft.	373.9
4.9			Open desert.	373.1
6.0	Road Junction	(476911)	Turn left. Straight on to BURG EL ARAB station. Water Point. Effective width of road 13 ft. due to bad edges. Pull off left and right rough open firm desert. Camp area (empty), slit trenches, etc.	372.0
8.4			Edges of road better.	369.6
10.7	Road Junction	(478913)	Turn left towards small village. Road 20 ft. wide, surface M. Ample parking left and right.	367.3
11.8	Road Junction	(479913)	Road turns right, track to left to HAMMAM. End of camp area. Ample parking left and right. Dirt road parallels road left.	366.2

Kms.				*Kms.*
12.3		(480915)	Sealing coat not yet placed.	365.7
13.9		(481916)	Sealing coat laid.	364.1
19.2		(486918)	Cultivation right to 34.0.	358.8
20.0		(487919)	Rock ridge crosses road. Country rocky, but there is parking space on the cultivation between the hills (dry weather only).	358.0
22.0		(489920)	End of rocky hills.	356.0
23.4		(490920)	Very rough patches at sides of road 30–60 yds. wide.	354.6
23.9		(490920)	End of rough patches left.	354.1
25.0		(491921)	End of rough patches right.	353.0
25.1		(491921)	Camp area (empty). Slit trenches, etc.	352.9
25.9		(492921)	Minefield left and right for 100 yds.	352.1
26.6		(493922)	End of camp area.	351.4
27.3	Road Junction	(493922)	Turning right to wireless station.	350.7
27.4		(494922)	Camp area (empty).	350.6
28.0		(494922)	Rocky part right, pull off bad.	350.0
28.3		(494922)	End of rocky place.	349.7
30.1	Road Junction	(496923)	Turning left to 23rd F.P.C.	347.9
31.7		(497924)	Minefield left and right, pull off 1 ft. each side.	346.3
31.8		(497924)	End of minefield left. Pull off right 3 ft., bad up to 6 ft.	346.2
32.4		(498924)	Rocky hill left.	345.6
33.1		(498925)	Pull off right 25 ft.	344.9
33.4		(499925)	Pull off right 6–8 ft.	344.6
33.8		(499925)	Pull off right widens to 100 yds.	344.2
34.1	Crossroads	(499925)	Left to MEX (Route No. 420). Turn right. Minefield left 100 yds.	343.9
34.3		(499925)	Pull off left and right 3 ft.	343.7
35.0		(500924)	Minefield left.	343.0
35.4		(500924)	Minefield right. End of minefields, parking space left and right.	342.6
35.5	Road Junction	(500924)	Turning left.	342.5
35.7		(500924)	Trees left.	342.3
36.2		(500923)	Level crossing.	341.8
36.8		(500922)	End of trees left.	341.2
36.9	Road Junction	(500922)	Turning left to AMIRIYA.	341.1

Kms.				*Kms.*
37.5	Road Junction	(501922)	Turning right to IKINGI MARYUT.	340.5
38.2		(501922)	Camps left and right.	339.8
38.7		(501921)	Pull off right 20 ft. left, unlimited.	339.3
39.4		(501920)	Open firm desert left and right.	338.6
41.3		(502919)	R.A.F. station. No. pull off left or right.	336.7
42.1		(503918)	End of R.A.F. station. Open firm desert left and right.	335.9
44.0	Road Junction		Turning left to KAFR EL DAUWAR.	334.0
44.5			Gravel hummocks left and right, limited parking.	333.5
45.0			Gravel hummocks left and right, limited parking.	333.0
46.8			Gravel hummocks right, limited parking.	331.2
47.3	Road Junction	(505914)	Gravel hummocks left and right, limited parking. Turning left to NUBARIYA Canal.	330.7
51.0			Hummocks and sparse cultivation right.	327.0
51.2			Hummocks and sparse cultivation left.	326.8
52.1	Road Junction		Turning left to NUBARIYA Canal.	325.9
52.6			Hummocks left and right.	325.4
54.2		(509907)	Camp right.	323.8
55.8	Road Junction	(509906)	Turning left to NUBARIYA Canal. Desert covered with sparse scrub.	322.2
58.1			Parts of pull offs bad, due to hummocks.	319.9
59.3		(511903)	Camp right.	318.7
59.7			Desert hummocks left and right.	318.3
60.7	Road Junction		Desert smooth. Turning right, track "C".	317.3
61.1			Sparse low scrub in patches.	316.9
61.4		(512901)	Camp right.	316.6
62.1	Road Junction	(513901)	Turning right to landing grounds	315.9
63.2		(513900)	South African War Cemetery right.	314.8

Kms.				*Kms.*
64.6			Desert becoming more scrubby.	313.4
67.8	Road Junction	(516896)	Turning right " F " track.	310.2
69.0			Sand becoming softer from here on. It is not advisable to pull off the road except for F.W.D. vehicles.	309.0
75.5	Road Junction		Turning right " T " track.	302.5
93.6			Sand blows over road right.	284.4
101.0			Desert rolling.	277.0
103.3			Sharp bend left.	274.7
104.6			Sharp bend right. Minefield left and right.	273.4
105.1			Blind hill.	272.9
106.0	Road Junction	(542868)	Turning right " Figure 8 " road.	272.0
107.6			Blind hill.	270.4
114.6			Blind hill.	263.4
119.2		(551859)	Camp right. Desert firm for a short distance.	258.8
125.3		(555854)	WADI NATRUN rest house right. Waterpoint.	252.7
133.1		(560850)	Level crossing Decauville railway (Egyptian Salt & Soda).	244.9
145.4			End of repaired road.	232.6
146.3			Mines left and right.	231.7
147.9	Road Junction	(575843)	Turn left to KHATATBA. Straight on to CAIRO (Route No. 32). Good gravel going right. Left rough, due to borrow pits.	230.1
150.7			Soft sand left and right.	227.3
151.4			End of soft sand.	226.6
161.1			Soft sand left and right short distance.	216.9
168.7			Road turns left. Level crossing Decauville track.	209.3
168.9	Road Junction	(594851)	Turn right. Straight on to KHATATBA camp.	209.1
170.3			Unpaved gap in road 48 ft. across, good pull off on to hard desert.	207.7
170.8	Crossroads	(597851)	Turn right. Left to KHATATBA. Straight on Route No. 40.	207.2

Kms.				*Kms.*
			Desert rather · softer but can be run on.	
173.3		(596849)	Level crossing Decauville and full gauge track.	204.7
173.4			Sand blown across road.	204.6
175.7			Patches of soft sand.	202.3
178.7			Desert too soft except for F.W.D. vehicles.	199.3
187.5		(605839)	Cutting through sand dune.	190.5
197.1			Lakes left.	180.9
203.3			Road turns left.	174.7
203.4	Bridge (30)	(615828)	Over canal R.C. two spans, each 10 ft. span. 20 ft. wide. Two 2 ft. footpaths. Cultivation sparse.	174.6
204.4			Join drain and railway left.	173.6
206.0	BIRQ'ASH	(618829)	Station.	172.0
206.6			Village right.	171.4
208.1	Bridge (40)	(620829)	Over drain 110 ft. span, 13 ft. wide, timber piles, steel girders, 5 span. One 5 ft. footpath.	169.9
	Crossroads		Left to NIKLA right to IMBABA. (Route No. 33.)	
208.3	Bridge Overhead Clearance 14 ft. 6 ins.		Turn left, railway over road. 20 ft. wide. Two 1 ft. footpaths. Road turns right. Canal left. Railway right.	169.7
213.3	MANASHI	(625830)	Station right.	164.7
213.4			Railway away to right.	164.6
214.1	Crossroads	(626830)	Right to IMBABA (Route No. 34). Turn left over canal. In two parts :—	163.9
	Bridge (30)		(1) Swing over lock, 95 ft. span, 20 ft. wide. Steel. Two 4 ft. footpaths. (2) Six span stone arch, 220 ft. total span, 20 ft. wide. One 4 ft. footpath.	
214.8	Road Junction	(625830)	Road turns left. Turn right. Straight on (Route No. 40).	163.2

Kms.				Kms.
215.6	Bridge (70)	(625831)	Barrage over ROSETTA Nile. In two parts :— (1) Swing bridge over lock, 95 ft. span, steel on masonry, 19 ft. wide. (2) Multispan masonry bridge (regulator), total span 1350 ft., 20 ft. wide. Two 4 ft. footpaths.	162.4
216.3	Bridge (70)		Bridge over canal (EL NAGAYIL) 25 ft. span, 35 ft. wide. Two span masonry arch (regulator). Two 5 ft. footpaths. Archway over road. Two carriageways each 7 ft. wide plus 1 ft. footpath. Clearance 11 ft. 9 ins. Road 35 ft. wide.	161.7
	Road Junction		Keep straight on. Fork right to new bridge not yet completed.	
216.8	Road Junction		Turning left to TANTA (Route No. 55). Over canal in two parts :—	161.2
	Bridge (18)		(1) Bascule span over lock. Span 65 ft., 10 ft. wide. Steel and wood decking. (2) Six span masonry arch. Total span 120 ft., 20 ft. wide. Two 5 ft. footpaths. Decauville track on bridge. Turn immediate right after crossing bridge. Road stone soled only 28 ft. wide. Decauville track right.	
217.2			Turn left. Macadam road 32 ft. wide with footpath each side.	160.8
217.7	Bridge (30)		Over drain, 30 ft. span, 32 ft. wide. R.C. masonry. Two 5 ft. footpaths.	160.3
217.8	Bridge (30)		Over drain, 35 ft. span, 35 ft. wide. R.C. masonry. Two 5 ft. footpaths.	160.2
	Bridge (70)		Barrage over Damietta Nile. In two parts :— (1) Multispan masonry arch, 1300 ft. total span, 20 ft. wide. One 4 ft. footpath.	

Kms.				*Kms.*
			(2) Swing, steel, over lock on masonry, 95 ft. span, 19 ft. wide. Road turns right.	
218.5			Join old BARRAGE road. End of Route 640. Turn left.	159.5
	Bridge (70)		Over canal. In two parts :— (1) Seven span masonry arch. 120 ft. total span, 20 ft. wide. Two 3 ft. footpaths. (2) Swing, steel, on masonry. 95 ft. span, 19 ft. wide.	
	Crossroads		Turn right. Turning left to QAHA.	
	DELTA BARRAGE	(628832)	Village. Very many pedestrians. Road 35 ft. wide. River Nile right.	
219.2			Two level crossings. Decauville track.	158.8
219.4			Road turns away from Nile. Level crossing. Decauville track. Road 23 ft. wide, grass pull off each side 2–3 ft. increasing to 5–8 ft. Railway left.	158.6
221.1	Bridge (30)		Over canal. 16 ft. span, 23 ft. wide, R.C. and brick. Two 5 ft. footpaths.	156.9
221.7	Culvert		Small.	156.3
222.5	Culvert		Small.	155.5
223.0	SHALAQAN	(631830)	Station left and village.	155.0
	Crossroads		Left to SIYAFA, right to CAIRO (Route No. 641). Keep straight on.	
	Bridge (30)		Over canal, 100 ft. total span. Three span, 20 ft. wide. R.C. and brick. Two 3 ft. footpaths.	
	Bridge (30)		Over canal, 16 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths.	
226.2	QALYUB EL BALAD	(634830)	Village and station. Minimum road width 20 ft.	151.8
226.3	Road Junction		Turning left to BARSHUM.	151.7

Kms.				*Kms.*
227.5	QALYUB	(636830)		150.5
228.1	Crossroads		Left to BENHA, right to CAIRO (Route No. 64). Keep straight on. Level crossing, branch line.	149.9
228.2			Level crossing, main railway. Mud road, surface M. Many pedestrians. Minimum width road, 16 ft.	149.8
228.4			Macadam road, surface M. 20 ft. wide. Pull offs 2–3 ft.	149.6
228.6	Bridge (30)		Over canal, 28 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths. There are many culverts from here on, all small.	149.4
228.9			Orange groves left and right.	149.1
230.1	Bridge (30)		Over canal, 38 ft. span, 20 ft. wide. Two 1 ft. footpaths. R.C. and brick.	147.9
230.8	KOM ISHFIN	(640830)	Village.	147.2
231.5	Bridge (30)		Over canal, 27 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths. Two Span.	146.5
	Bridge (30)		Over canal (SHARKAWI bridge) 37 ft. span, 20 ft. wide. Two 30 in. footpaths. R.C. bow-string. 18 ft. overhead clearance.	
	Bridge (30)		Over canal, 12 ft. span, 20 ft. wide. R.C. and brick. Two 3 ft. footpaths.	
231.7			End of top tarred surface. Rolled stone soling. Surface B (work in progress).	146.3
232.4			Canal parallels road for 350 yds.	145.6
233.1	Bridge (30)		Over ditch, 5 ft. span, 20 ft. wide. R.C. and brick. Regulator (footpath being added). End of stone soling.	144.9
233.6	BALAQS	(642829)	Village. Rolled soling. Surface B.	144.4
236.0	Road Junction	(644829)	Join CAIRO–ISMAILIA Road (Route No. 62 at Km. 16.1). Turn right. Turning left to	142.0

Kms.				Kms.
			ISMAILIA. Road 20 ft. wide. Pull off 3–8 ft. right and left.	
239.3	MUSTURUD	(643826)	Settlement right.	138.7
240.3	Road Junction	(642824)	C.M.P. check post. Turn left. Straight on to SHUBRA.	137.7
	Bridge (40)		Over ISMAILIA Canal. Two fixed side spans each. Centre steel swing span, 90 ft. span, 33 ft. wide. Two 2 ft. footpaths.	
	Road Junction		Turning left to SIRYAQUS.	
	Bridge (40)		Over canal, 16 ft. span, 33 ft. wide. R.C. and brick. Two 3 ft. footpaths.	
241.0			Road turns right.	137.0
241.9			Level crossing, Decauville track.	136.1
243.0	MATARIYA Crossroads	(644823)	Keep straight on. Turning right to CAIRO, (Route No. 62.) 20 ft. wide. No pull off.	135.0
243.3			Village. Many pedestrians.	134.7
243.8			Level crossing. EL HILMIYA station left. Road 33 ft. wide.	134.2
244.0	Crossroads		Keep straight on. Left to KHANKA, right to CAIRO.	134.0
244.5			Roundabout. Keep straight on.	133.5
245.6			Large open space left and right suitable for parking.	132.4
246.6	Crossroads		Keep straight on. Right to CAIRO. Level crossing. Tramway. Clearance 16 ft.	131.4
247.1	Crossroads	(648821)	Roundabout. Turn right. Double carriageway, each 40 ft. wide.	130.9
247.5	Crossroads		Level crossing, tramway.	130.4
248.3	Crossroads	(647820)	Turn left. Right to HELIOPOLIS. Straight on to CAIRO. Double carriageway for 100 yds., 35 ft. wide each. Then single road 50 ft. wide, parking left and right for 700 yds.	129.7
249.5	Road Junction		Turning right to SUEZ. Road 27 ft. wide.	128.5

Kms.				*Kms.*
249.7	Road Junction		Turning left to ALMAZA Aerodrome.	128.3
249.8			Level crossing, tramway, 16 ft. overhead clearance.	128.2
250.2	Road Junction	(648819)	Join SUEZ–CAIRO Road. Turn left. Turning right, back to CAIRO. Road 20 ft. wide, parking space left and right. Surface M. Edges of road broken especially left. Egyptian Army barracks right.	127.8
251.5	Road Junction		Turning left to Aerodrome.	126.5
251.6	Bridge (40)	(650819)	Over canal (disused). Four span. 75 ft. total span, 20 ft. wide. Two 1 ft. footpaths. R.C. and brick.	126.4
252.7		(651819)	End of Egyptian Army barracks. Tracks parallel road left and right. Pull off left and right restricted to 3–8 ft. by old bitumen drums.	125.3
253.9		(652819)	Good firm going on desert.	124.1
254.8			Desert soft right. Camp left.	123.2
255.8	Bridge (40)	(654819)	Over storm drain, 10 ft. span, 25 ft. wide. R.C.	122.2
256.2			Camp left. Desert hummocky right.	121.8
258.6			Desert firm.	119.4
260.7			Road crosses rocky ridge. From here there is usually a bank on the right-hand side of the road which can only be crossed at certain places. Also the road is sometimes on an embankment which can also only be crossed at certain places.	117.3
262.1	Bridge (40)	(660819)	For storm water. 6 ft. span, 32 ft. wide. Brick arch.	115.9
263.2			Desert becoming very hilly, but good firm going.	114.8
266.5			Blind bend left.	111.5
267.0	Two Bridges		For storm water. Each 3 ft. span, 32 ft. wide. Brick arch.	111.0

Kms.				*Kms.*
	Culvert		Steel pipe in brick, 32 ft. wide.	
268.2			Desert flatter right.	109.8
268.6	Bridge (40)		For storm water. 4 ft. span, 32 ft. wide. Brick arch.	109.4
268.7	Bridge (40)		For storm water. 6 ft. span, 32 ft. wide. Brick arch.	109.3
268.9		(667820)	Desert becoming flatter.	109.1
270.1	Bridge (40)		For storm water. 4 ft. span, 32 ft. wide. Brick arch.	107.9
271.7	Bridge (40)		For storm water. 4 ft. span, 32 ft. wide. Brick arch.	106.3
272.1			Ranges left.	105.9
273.3	Bridge (40)		For storm water. 10 ft. span, 23 ft. wide. R.C. and brick.	104.7
274.3	Bridge (40)		For storm water. 2 ft. span, 32 ft. wide. Brick arch.	103.7
275.4	Bridge (40)		For storm water. 3 ft. span, 32 ft. wide. Brick arch.	102.6
276.6	Bridge (40)		For storm water. 2 ft. span, 32 ft. wide.	101.4
277.5			Desert becoming more hilly. Sharp bend left.	100.5
279.0	Bridge (40)		For storm water. 4 ft. span, 32 ft. wide. Brick arch.	99.0
279.9	Bridge (40)		For storm water. 10 ft. span, 24 ft. wide. R.C. and brick.	98.1
280.6	Bridge (40)		For storm water. 6 ft. span, 32 ft. wide. Brick arch.	97.4
282.2	Road Junction	(679822)	Track right to A.F.V. ranges.	95.8
283.2			Camp right. Flat desert.	94.8
283.6	Bridge (40)		For storm water. 10 ft. span, 23 ft. wide. R.C. and brick.	94.4
284.6	Bridge (40)		For storm water. 10 ft. span, 23 ft. wide. R.C. and brick.	93.4
285.8	Bridge (40)		For storm water. 10 ft. span, 23 ft. wide. R.C. and brick.	92.2
287.6	Bridge (40)		For storm water. 10 ft. span, 23 ft. wide. R.C. and brick.	90.4

Kms.			*Kms.*
298.4	Bridge (40)	For storm water. Three span, 33 ft. total span, 23 ft. wide. R.C. and brick. Aerodrome right.	79.6
302.4	Bridge (40)	For storm water. 19 ft. span, 23 ft. wide. R.C. and brick.	75.6
305.4	Bridge (40)	For storm water. 10 ft. span, 23 ft. wide. R.C. and brick.	72.6
308.2	Bridge (40)	For storm water. 10 ft. span, 23 ft. wide. R.C. and brick.	69.8
309.4	Bridge (40)	For storm water. 10 ft. span, 23 ft. wide. R.C. and brick.	68.6
310.6	Bridge (40)	For storm water. 10 ft. span, 23 ft. wide. R.C. and brick. Aerodrome left.	67.4
312.7		Desert slightly undulating.	65.3
315.2	Bridge (40)	For storm water. 10 ft. span, 23 ft. wide. R.C. and brick. Some short scrub.	62.8
316.2		Road through small cutting in rock ridge. Then desert flat.	61.8
318.5	Bridge (40)	For storm water. 10 ft. span, 23 ft. wide. R.C. and brick. Desert stony for 1 km.	59.5
333.5	Bridge (40)	For storm water. Three span. 33 ft. total span, 23 ft. wide. R.C. and brick. Desert hilly.	44.5
337.3		Desert flat.	40.7
340.5	Bridge (40)	For storm water. Two span each. 5 ft. span, 30 ft. wide. Brick arch.	37.5
341.4	Bridge (40)	For storm water, 10 ft. span, 23 ft. wide R.C. and brick.	36.6
342.2	Bridge (40)	For storm water. Two span each 5 ft. span, 30 ft. wide. Brick arch. Desert hilly and broken surface.	35.8
342.9		Desert scrubby.	35.1
343.3	Bridge (40)	For storm water. Two span each 5 ft. span, 30 ft. wide. Brick arch.	34.7

Kms.				*Kms.*
344.2			Rocky hills right. Desert surface too broken to run on.	33.8
345.7	Bridge (40)		For storm water 3ft. span, 30 ft. wide. Brick arch. Hills near road left and right.	32.3
346.8			Desert surface not so broken.	31.2
347.5	Bridge (40)		For storm water, two span, 5 ft. span, 30 ft. wide. Brick arch. Desert flat with a few low hills.	30.5
348.2	Road Junction	(744820)	Turning left to GENEIFA (Route No. 600).	29.8
349.7	Bridge (40)		For storm water 6ft. span, 30 ft. wide. Brick arch.	28.3
352.0	Bridge (40)		For storm water, 6 ft. span, 30 ft. wide. Brick arch.	26.0
352.5	Road Junction	(748818)	Turning right to Tin Factory.	25.5
352.7	Bridge (40)		For storm water 4 ft. span, 30 ft. wide. Brick arch.	25.3
353.1	Road Junction	(749818)	Turning left to FORT AGRUD.	24.9
354.5			Desert surface rough.	23.5
355.0	Bridge (40)		For storm water. Two span 30 ft. wide brick arch.	23.0
	Bridge (40)		For storm water. Three span 30 ft. wide. Brick arch.	
355.5	Road Junction	(751817)	Turning left.	22.5
356.6	Bridge (40)		For storm water, 5 ft. span 30 ft. wide brick arch. Desert less rough.	21.4
358.3	Bridge (40)		For storm water 5 ft. span, 30 ft. wide brick arch.	19.7
359.0	Bridge (40)		For storm water. Two span, each 5 ft. span, 30 ft. wide. Brick arch. Pull offs left and right 0–3 ft.	19.0
359.3	Road Junction		Turning left to camps.	18.7
360.6	Bridge (40)		For storm water, 10 ft. span 23 ft. wide. R.C. and brick.	17.4
361.1			Railway joins road left, leave railway left. Pull off 3–4 ft. Desert surface right rough.	16.9

Kms.				*Kms.*
364.1	Road Junction		Turning right.	13.9
	Bridge (40)		For storm water 10 ft. span 23 ft. wide. R.C. and brick	
366.5			Camps right and left.	11.5
368.6	Road Junction		Turning left to camps.	9.4
369.6	Road Junction	(762810)	Turning right to ATAQA and waterpoint, level crossing.	8.4
370.0	Road Junction	(763809)	Turn left. Straight on to SUEZ. Level crossing.	8.0
370.2	Road Junction		Turning right to camps.	7.8
371.2			Aerodrome left.	6.6
371.9			Open flat desert, gravel surface.	6.1
375.5	Road Junction	(765814)	Turn right. Straight on to GENEIFA. (Route No. 61.) Pull offs 2–3 ft. Road on bank.	2.5
375.9			Level crossing.	2.1
376.1			Waterpoint right.	1.9
376.3			Cultivation begins.	1.7
376.5	Bridge (18)		Over canal, 33 ft. span, 11 ft. wide. Two 3 ft. footpaths. Steel girder. Timber decking. Settlement.	1.5
377.7	Road Junction		Join ISMAILIA–SUEZ road, (Route No. 60). Turn left. Right to SUEZ.	0.3
377.9	Road Junction		Turning right to ferry over canal.	0.1
378.0	Road Junction	(767815)	Turn right to bridge over SUEZ canal. Straight on to ISMALIA. (Route No. 60.)	0.0

GROUP 3

Comprising all routes
beginning with 3

Section :

CAIRO (635812) to ASYUT (634499)

(371.7 Kms. - 231 Miles)

Date of Recce. : 15 March 1943.

GENERAL REMARKS

This is the only direct road from CAIRO to ASYUT. It follows the left bank of the NILE for the whole distance, and traverses the zone of cultivation for the whole of its course.

Except for the first 11 miles out of CAIRO, and short stretches through some of the larger villages and towns (which are tar-macadam), the road is a dirt road throughout. It is built mainly on an embankment parallel to irrigation canals and is consequently a defile for most of its length. Trees, however, are plentiful and good cover for personnel only can be found practically anywhere along the road.

Road Surface and Condition

Mainly a dirt road left in good condition by regular watering. Tar-macadam for short stretches in vicinity of larger towns. The minimum width is 12 ft. over certain regulators.

Curves and Gradients

Care would be needed in negotiating trailers round certain bends, but none are considered impassable. There are no steep gradients.

Overhead Height Clearance

Clearance is ample at the numerous points where overhead wires cross the road.

Weight Limitations

The lowest bridge weight indicated on the route is 5 tons, on a bridge near DAIRUT. This would probably take Class 9 loads.

DETAILED REPORT

Kms.				*Kms.*
0.0	CAIRO Road Junction	(63508118)	Turn left off main CAIRO—MENA road, just before passing under railway bridge. (Route No. 32.) Tarmac road, 20 ft. wide, exclusive of footpaths, passing through built-up area.	371.7

Kms.				*Kms.*
1.1			End of built-up area. Series of culverts occur at irregular intervals for next 3 km. Canal on right, cultivation below level of road on left.	370.6
1.8			Palm grove begins on left. Road passes through avenue of trees.	369.9
3.2	Road Junction		Road off to left.	368.5
3.3			Police barrier. Road bridge on right.	368.4
4.2			Bridge over small canal to left.	367.5
4.3	Regulator		25 ft. long. Effective road width 20 ft.	367.4
4.6	Culvert			367.1
5.5			Bridge over canal to right.	366.2
6.4			Bridge to right.	365.3
	Regulator		35 ft. long, 20 ft. wide.	
7.1	Culvert		Palm trees on left.	364.6
7.2			Village in palm grove on left.	364.5
7.6			Bridge to right.	364.1
10.1	TAMMUN Station	(63968027)	Bridge right to station on far side of canal.	361.6
11.4			Footbridge to left.	360.3
13.2	Road Junction and Culvert		Bridge on right, followed by road to left and culvert.	358.5
14.3	Culvert			357.4
14.6	EL HAWAM-DIYA Station	(64127982)	Railway bridge with footpath on on right to station.	357.1
	Level Crossing		Level crossing of line to factory on left.	
	Road Junction		Road to left.	
14.8			Road bridge to right. Houses on left for next ½ km.	356.9
16.9			Bridge to right. Low spoil bank on left of road begins.	354.8
17.7			End of tarmac road. Dirt road begins, 20–30 ft. wide.	354.0
18.3			End of spoil bank on left. Palm grove commences.	353.4
19.0			Shell depot on left.	352.7
19.1			Houses begin on left.	352.6

Kms.				*Kms.*
19.5	EL BADR-SHEIN Station	(64157935)	Bridge to station on right. Police barrier. Crossroads.	352.2
19.6	Culvert		End of houses. Deep canal cutting on left.	352.1
21.7			Footbridge to left.	350.0
22.4			Footbridge to left.	349.3
23.1			Footbridge to left.	348.6
23.3			Dense palms on left for about 2 kms.	348.4
24.1	EL MARAZIQ Station	(64127889)	Bridge right to station. Cross-roads.	347.6
24.7			Open country on left for 1 km.	347.0
25.7			Palm grove on left.	346.0
27.5	ABU RAG-WAN Station	(64087844)	Overhead wires, ample clear-ance. Bridge to station on right.	344.2
28.5			Bridge on right and crossroads. Low spoil bank on left. Palm tree plantation the other side of it.	343.2
29.3	Culvert			342.4
29.8	Regulator		25 ft. wide, 40 ft. long. Flying ferry across canal to right.	341.9
30.4	Culvert			341.3
30.6			Village in palm trees on left. Road width reduced to minimum of 15 ft.	341.1
31.1	MAZGHUNA Station	(64027816)	Bridge right to station. Cross-roads. Trees along road thin out considerably.	340.6
31.2			End of village on left.	340.5
32.2			Overhead wires—ample clear-ance. Open country on left.	339.5
34.0			Bridge on right, footbridge on left over canal.	337.7
34.1			Overhead wires—ample clear-ance. Palm groves come up to edge of canal on left of road.	337.6
34.9			End of palm grove on left. Open country again.	336.8
36.0			Bridge on right. Footbridge on left.	335.7
36.8			Palm grove and village on left. Bridge on right. Overhead wires—ample clearance.	334.9

Kms.				*Kms.*
37.6			Overhead wires—ample clearance. Large isolated house on left.	334.1
38.3	EL BILEIDA Station	(66477740)	Bridge on right to station. Footbridge to left.	333.4
39.7			Bridge to village on right. Footbridge on left.	332.0
40.8			Bridge on right. Footbridge on left. Palm groves commence on left.	330.9
41.5			Small village in palms on left. Footbridge to left.	330.2
42.1			Overhead wires—ample clearance.	329.6
42.3			Overhead wires—ample clearance.	329.4
42.6			Bridge on right. Footbridge on left.	329.1
42.8			End of palm grove on left.	328.9
43.5			Footbridge left. Overhead wires—ample clearance.	328.2
44.1	Double swing-bridge at EL AIYAT	(64027690)	36 ft. wide, about 300 ft. long. Turn right after crossing bridge.	327.6
44.3	Level Crossing		Turn left.	327.4
44.8	Culvert			326.9
44.9			Hospital on right.	326.8
45.1	EL AIYAT		Village. Canal on left is carried in a siphon under main road through village.	326.6
45.9			Village ends.	325.8
46.1	Culvert		Cultivated land on right below road level. Road proceeds down avenue of trees.	325.6
46.5	Culvert			325.2
46.9			Footbridge on left.	324.8
47.0	Culverts		A series of culverts occurs in next 2 kms.	324.7
47.2			Building in walled enclosure on right.	324.5
49.1			Overhead wires—ample clearance.	322.6
49.4			Bridge on right. Footbridge on left.	322.3

Kms.			Kms.
51.2	EL MATANYA (63947622) Station	Bridge on left to station. Cross-roads. Minimum road width through village, 15 ft.	320.5
51.6		Village ends. Palms commence on right.	320.1
51.8		End of palms.	319.9
52.3		Overhead wires—ample clear-ance.	319.4
53.1		Km. 54 post on right of road.	318.6
54.1		Overhead wires—ample clear-ance.	317.6
55.3		Bridge to left.	316.4
	Regulator	15 ft. wide, 20 ft. long, approx.	
56.9		Large house in walled enclosure on right.	314.8
57.6		Footbridge on left. Road becomes rather winding.	314.1
59.0		Bridge on left to village on other side of canal.	312.7
59.4	Fork Roads	A road forks to right. Take left. Road width 20 ft.	312.3
60.1		Overhead wires—ample clear-ance.	311.6
60.6		Overhead wires—ample clear-ance.	311.1
60.8		Footbridge to left	310.9
61.8		Overhead wires—ample clear-ance.	309.9
62.5		Isolated pumping station on right.	309.2
62.6		Small palm grove.	309.1
63.0		Bridge on left.	308.7
64.3	EL QUTURI (63557500)	Village on right in palm trees. Overhead wires—ample clear-ance. Bridge on left.	307.4
64.7		End of palm trees Open cultivation on right.	307.0
65.4		Overhead wires—ample clear-ance.	306.3
66.0	Culvert	Bridge on left.	305.7
67.6	Culvert	Bridge on left.	304.1
	Siphon	Carrying canal under road and parallel canal. Width of road 20 ft. Length of masonry 80 ft.	

Kms.				*Kms.*
67.9	Road Junction	(63357467)	Road right to FAIYUM. (Route No. 31.) Police barrier.	303.8
68.4			Bridge over canal on left. Cultivation on right at lower level than road.	303.3
68.9	Culvert		Road is 20 ft. wide, with trees lining it on right.	302.8
69.5			Bridge over canal on left.	302.2
71.6	Culvert		Overhead wires—ample clearance. Trees are now only on left of road.	300.1
71.8	Road Junction	(63377430)	Road right to MAIDUM Pyramid	299.9
72.9			Bridge on left.	298.8
73.2			Small bridge on right. Large canal runs on left, and smaller one on right.	298.5
73.5			Overhead wires—ample clearance.	298.2
74.8			Trees become locally much denser—with village on further side of canal on left, among palms.	296.9
75.4	Crossroads		Bridges over canals on either side of road.	296.3
75.9			Road continues down an avenue of trees.	295.8
76.4			Village among palms ½ km. to right.	295.3
76.6	Crossroads	(63437385)	Police barrier.	295.1
78.9	EL WASTA	(63467363)	Town lies 200 m. on left.	292.8
79.2			Small bridges either side of road.	292.5
79.7			Bridge on left to WASTA	292.0
80.0	Culvert		Followed by	291.7
	Regulator		39 ft. wide, 27 ft. long, followed by	
	Regulator		33 ft. wide, 40 ft. long.	
	Road Junction		Road to right, then	
	Regulator		33 ft. wide, 40 ft. long. (All three regulators take 20 tons, maximum load)	
80.2			Level-crossing.	291.5
81.0			Pump station on right, followed by bridge to left.	290.7

Kms.				*Kms.*
81.1	Culvert			290.6
81.9	Four culverts		In quick succession.	289.8
82.4	Crossroads	(63307335)	Turn left over regulator—width 33 ft., length 54 ft.	289.3
82.6			Level crossing. Followed immediately by overhead wires—ample clearance.	289.1
82.7	Road Junction		Turn right.	289.0
83.2	Large regulator		Km. 80 post. Then across. Width of roadway 14 ft., length 300 yds. Turn right at end of causeway.	288.5
83.5	Level Crossing			288.2
83.7	Siphon		Cross over siphon, 15 ft. wide, 33 ft. long ; then turn left. There are no trees along the road. Cultivation on right at lower level than road. Canal runs along to left, and railway line on far side.	288.0
84.8			Trees begin on left of road.	286.9
85.3	Culvert			286.4
85.9	Crossroads		Bridges to right and left. Canal now runs parallel on right of road as well as on left.	285.8
88.0	Culvert		Overhead wires—ample clearance.	283.7
88.7	Road Junction		Road to right.	283.0
88.8	BENI HIDEIR Station	(63347276)	Crossroads.	282.9
89.6			Walled enclosure on right.	282.0
90.4			Village on far side of canal on left.	281.3
91.1	EL MAIMUN Crossroads	(63347256)		280.6
92.5			Bridge over canal on right.	279.2
93.1			Walled enclosure with palm trees, etc. on right.	278.6
93.9	ISHMANT		Bridges on either side of road.	277.8
	Crossroads	(63157222)	Village on right of road ; right-hand canal diverged behind it.	

Kms.				*Kms.*
95.3			Bridge on left.	276.4
95.8			Canal returns on right-hand side.	275.9
95.9			Low spoil heap on right of road, which proceeds down avenue of trees.	275.8
97.1			Bridge on left, followed by	274.6
	Regulator		36 ft. wide, 24 ft. long.	
	Culvert			
	Regulator		30 ft. wide, 15 ft. long.	
	Road Junction		Road to right.	
97.9	Road Junction	(63007187)	Road right to DALAS.	273.8
98.4	Culvert		At entrance to small village.	273.3
98.7			Bridge on left.	273.0
	Culvert		Overhead wires—ample clearance. Canal comes in again on right.	
100.3			Bridge across canal on right.	271.4
100.4	Culvert		Road passes through thick grove of palm trees.	271.3
	Culvert		At entrance to village on right.	
103.0	EL SHAWANIYA Village	(62807150)	Factory with water tower, on right. Bridge on left. Street lighting begins. Overhead wires—ample clearance.	268.7
	Culvert		24 ft. wide, 12 ft. long.	
	Road Junction		Road to right.	
	Culvert		30 ft. wide, 33 ft. long.	
103.3			End of street lighting. Road almost 30 ft. wide, with an effective width of 20 ft.	268.4
106.8			Road continues down avenue of trees. Road 20 ft. wide.	264.9
107.5			Bridge on left and right of road. Overhead wires—ample clearance.	264.2
108.4			Bridge on left.	263.3
110.0			Cactus hedge on right, near mud huts.	261.7
110.4	Outskirts of BENI SUEF	(62407076)	Bridge on left, followed by regulator, 30 ft. wide, 12 ft. long. Street lighting commences.	261.3

Kms.				*Kms.*
			Regulator 30 ft. wide, 12 ft. long.	
110.5			Trees in walled enclosure on right.	261.2
110.8			Bridge on left.	260.9
111.6	BENI SUEF Station		Bridge on left to station.	260.1
111.8			Bridge on left.	259.9
112.1			Factory on right.	259.6
112.7	Regulator		25 ft. wide, 18 ft. long.	259.0
112.9	Culvert			258.8
113.0	Road Junction		Road right to FAIYUM.	258.7
	Regulator		27 ft. wide, 18 ft. long.	
113.2			Level crossing. End of town, and of street lighting.	258.5
114.1			Factory on right. Canal runs parallel to road on left, sometimes with thin strip of cultivation between road and canal.	257.6
114.6	Road Junction		Bend left over bridge, then	257.1
	Regulator		25 ft. wide, 50 ft. long. Walled enclosure with trees on right.	
114.9			Km. 115 post on right.	256.8
116.1	Regulator		30 ft. wide, 12 ft. long. Mud village on right. Road is now 30 ft. wide.	255.9
117.3			Isolated large house on right.	254.4
117.8		(61957045)	Bridge on left. Police Control Post.	253.9
	Regulator		24 ft. wide, 30 ft. long. Turn right. This is a diversion due to normal road, which continues straight on, being under repair. Road proceeds down avenue of trees.	
118.8	Culvert			252.9
118.9			Mud huts on left. Small canal on left. Larger one on right.	252.8
120.5	Crossroads	(61737054)	Turn left at crossroads in village. Country through which road passes has dispersed palm groves. Cultivation is at slightly lower	251.2

Kms.			*Kms.*
		level than road on left. Canal on right. Road is 20 ft. wide.	
122.6		Small factory on left.	249.1
123.4		Bridge on right.	248.3
126.0	Crossroads	Continue straight on.	245.7
	Regulator	30 ft. wide, 27 ft. long. Village among palms on far side of canal on right.	
126.8	Crossroads	Continue straight on. Road decreases to 10 ft. wide in places.	244.9
127.6		Factory on left.	244.1
128.1		Numerous palm trees on both sides of road.	243.6
128.4	QUMBUSH EL (61306985) HAMRA Village	Village on both sides of road. Overhead wires—ample clearance.	243.3
129.0		End of village. Palm trees now become more scattered and road runs through a sparse avenue.	242.7
131.0	Crossroads	Continue straight on. Trees practically cease along the road.	240.7
132.6		Bridge on right.	239.1
134.6		Houses in walled enclosure on left.	237.1
135.5	Crossroads		236.2
136.5		Palm trees on left, followed by bridge on right.	235.2
137.4		Overhead wires—ample clearance.	234.3
137.8		Palm trees on left, small village on right.	233.9
138.7	Crossroads		233.0
140.0		Village in palm trees on left. Road narrows to 12 ft. in one place. Country then becomes more open.	231.7
141.6		Small factory on left.	230.1
141.8	Crossroads	Police barrier. Low spoil bank on left.	229.9
142.2		Village among palm trees on left.	229.5
142.9		Bridge on right, followed by palms surrounding a village on farther side of canal on right.	228.8

Kms.				*Kms.*
144.3	Crossroads		Turn left. Canal runs on right, small canal and cultivation on left. Road is 12–15 ft. wide, with occasional overhead wires having ample clearance.	227.4
148.6			Intermittent low spoil banks on either side of road. Village on far bank of canal to right.	223.1
149.0	Road Junction		Turn right. Then over three regulators. (1) 12 ft. wide, 42 ft. long. (2) 32 ft. wide, 10 ft. long. (3) 40 ft. wide, 42 ft. long.	222.7
149.1			Overhead wires—ample clearance. Palm trees on right of road, which is 20 ft. wide. Main canal runs on left, smaller one and cultivation to right of road.	222.6
150.7			Overhead wires—ample clearance.	221.0
151.4	Culvert		Followed by regulator, 36 ft. wide, 33 ft. long. Then another culvert at entrance to village.	220.3
151.8	EL FASHN	(60556800)	Entrance to village. Derelict bridge on left. Walled enclosure with trees, etc., on right. Street lighting.	219.9
152.1	Road Junction		Road to right.	219.6
152.6	Crossroads			219.1
153.9	End of Village		Factory with large water tower on right.	217.8
	Culvert		Occasional cactus on right. Canal both sides of road.	
155.5			Overhead wires—ample clearance. Bridge to right.	216.2
156.4	Culvert			215.3
156.6			Bridge on left.	215.1
156.7			Overhead wires—ample clearance. Road runs through an avenue.	215.0
157.5			Overhead wires—ample clearance.	214.2

Kms.				*Kms.*
158.3	Road Junction		Road to left, followed by regulator, 33 ft. wide, 15 ft. long.	213.4
160.3	Road Junction		Road to right. Occasional trees along left of road.	211.4
161.5	EL FANT Station	(60196713)	Road bridge left to station. Low spoil bank on right. No trees.	210.2
163.5			Overhead wires—ample clearance.	208.2
163.8			Overhead wires—ample clearance. Also bridge to right.	207.9
166.5			Bridge to left.	205.2
167.6			Overhead wires—ample clearance.	204.1
168.1			Trees come in again on left.	203.6
168.6			Overhead wires—ample clearance. Also bridge on right. Road runs through an avenue of trees.	203.1
170.7			Overhead wires—ample clearance. Bridge either side of road.	201.0
172.2	MAGHAGHA	(59886602)	Commencement of village. Street lighting—overhead wires.	199.5
173.0			Tarmac road begins.	198.7
173.5	Level Crossing		Followed by regulator, 27 ft. wide, 50 ft. long.	198.2
	Road Junction		Road to right.	
173.8			Factory on right.	197.9
174.1			Regulator, 24 ft. wide, 12 ft. long. Water tower on right.	197.6
174.3			End of tarmac and village. Street lighting ends. Road is 20 ft. wide. Cultivation at lower level than road on right.	197.4
174.6			Factory on right. Large stock of onions in store yards.	197.1
175.2			Bridge to left. Then regulator, 24 ft. wide, 12 ft. long, followed by culvert.	196.5
175.5			Small village in palm trees on left. Road is 15 ft. wide. Trees on left. Open cultivation on right.	196.2
177.5			Spoil bank on right of road.	194.2

Kms.				*Kms.*
178.0	Culvert		Spoil bank ends. Cactus-lined canal on right. Overhead wires —ample clearance.	193.7
179.1			Overhead wires—ample clearance.	192.6
180.2	Regulator		20 ft. wide, 12 ft. long.	191.5
180.7			House and trees in walled enclosure to right.	191.0
180.9			Bridge on right. Small village.	190.8
181.2			Bridge on left. Canal on right. Some trees on left.	190.5
182.8			Bridge on right.	188.9
183.0			Road proceeds down avenue of trees, with village to right on far side of canal.	188.7
184.4			Low spoil bank on right.	187.3
186.0	EL MAWADDA Station	(59586485)	Bridge on left to station. Small village on right in palm trees.	185.7
187.0	Road Junction		Road to right.	184.7
187.1			Overhead wires—ample clearance.	184.6
187.3	Culvert		Large house in walled enclosure on right.	184.4
187.6			Bridge on left.	184.1
188.3			Two solitary houses on right.	183.4
189.1			Isolated house on right. Street lighting begins.	182.6
189.2	Culvert			182.5
189.9	BENI MAZAR	(59596440)	Village commences.	181.8
190.8			Tarmac begins.	180.9
191.2			Water tower on left.	180.5
191.6	Crossroads		Rough road outside village. End of tarmac.	180.1
192.3			Factory with water tower on right. Then open cultivation. Canal comes in parallel to road on right.	179.4
194.4			Bridge to large isolated house on right.	177.3
196.8			Overhead wires—ample clearance.	174.9
197.4	KUFUR EL SOLIYA Station	(59576375)	On left of road. Bridge to house on right.	174.3

Kms.			*Kms.*
198.7		Intermittent low banks on right.	173.0
200.7		Straggling village. Road 15 ft. wide in places. Overhead wires —ample clearance.	171.0
201.3	MATAI Station (59406343) and Level Crossing	Station to left of road.	170.4
201.6	Regulator	24 ft. wide, 40 ft. long; followed by culvert and	170.1
	Road Junction	Road to right.	
202.1	Regulator	27 ft. wide, 42 ft. long; followed by two culverts. Intermittent spoil bank on left.	169.6
203.7		Village on right.	168.0
203.9		Bridge to left.	167.8
204.8	Culverts	Three—close together.	166.9
205.3		Overhead wires—ample clearance.	166.4
	Culvert	High bank on right.	
208.1		Bridge on left. High bank continues.	163.6
209.7		Dovecots and buildings on right. Bridge to left.	162.0
210.2		Overhead wires—ample clearance. A large house on right.	161.5
210.5		Bridge on left. Spoil bank has ended. Odd palm trees on right —irregular trees on left.	161.2
211.1	Road Junction'	Road to right. High bank begins again.	160.6
212.7		Small village on right.	159.0
214.5	SAMALUT (58706220)	Beginning of town. Street lighting. Houses on right.	157.2
215.5		Road continues as a double carriageway, each 15 ft. wide.	156.2
215.6		Bridge to left.	156.1
215.8		Double carriageway ends. Road is now 40 ft. wide.	155.9
216.6		Factory on right with water tower.	155.1
216.9		Bridge to left. Road now 20 ft. wide.	154.8

Kms.				*Kms.*
217.9			End of village. Canals run parallel to road on both sides, but that on right is set back slightly, allowing 50 metres cultivation between road and canal.	153.8
219.8			Overhead wires—ample clearance.	151.9
220.8			Palm trees on right.	150.9
221.8			Overhead wires—ample clearance.	149.9
221.9			Bridge on left.	149.8
222.4			Overhead wires—ample clearance. Wires go to factory behind palms on right.	149.3
224.3			Trees lining canal on left. Odd palm trees on right.	147.4
225.0			Overhead wires—ample clearance. Road enters avenue.	146.7
226.1			Bridge left over canal, right to two or three large houses.	145.6
226.6			Overhead wires—ample clearance. Mud village on right. Canal now comes alongside road on right.	145.1
227.9			Bridge on right to small village.	143.8
230.9	SAFT EL LABAN Station	(58776090)	Bridge to station on left.	140.8
231.7			Small village on right. Road runs down a poor avenue.	140.0
234.1			Bridges to left and right—to houses and mosque.	137.6
236.7			Occasional trees on right with low spoil bank.	135.0
237.2			Bridge to house on farther side of canal, to right.	134.5
238.0			Bridge to right.	133.7
238.7			Houses on farther side of canal to right. Stores and factories on left of railway line, which runs to left of road.	133.0
239.1			Bridge to left.	132.6
239.5			Bridge to right.	132.2
239.8	EL MINYA	(59105985)	Outskirts of town.	131.9
241.6			Pass over viaduct crossing marshalling yard, etc.	130.1

Kms.				*Kms.*
241.9	Road Junction		A road turns left off viaduct.	129.8
242.0			End of viaduct.	129.7
242.2	Bridge		Turn right over bridge, 24 ft. wide, 48 ft. long. Then le t. Road is 15 ft. wide.	129.5
242.4			Bridge to left.	129.3
242.8			Bridge to left.	128.9
243.0			Factory on right, and end of town.	128.7
243.3			Village on right of road, which then passes through a rather poor palm grove.	128.4
244.3	Culvert		Village in palm grove.	127.4
244.9			Bridge to left. End of village. Road continues down sparse avenue.	126.8
245.7			Walled enclosure with dovecots, trees, etc., on far side of canal, to right.	126.0
246.4			Bridge on right.	125.3
246.5			Houses in walled enclosure to right. Narrow-gauge railway line runs parallel to road on far side of canal, to right.	125.2
247.7			Overhead wires—ample clearance.	124.0
248.0	Culvert		Followed by bridge to left. Walled enclosure on right.	123.7
248.5			Open country on right.	123.2
250.9			Village in palm trees on right, canal being diverted behind village. Road is only 12 ft. wide in parts.	120.8
251.5			Bridge on left. Overhead wires —ample clearance. End of village. Road becomes 20 ft. wide again.	120.2
253.5			Village in palm grove.	118.2
253.8	MANSAFIS Station	(59655888)	Bridge to station on left.	117.9
254.4			End of large palm grove.	117.3
256.2			Overhead wires—ample clearance. Buildings on right, then flat open country.	115.5
257.0			Palm groves on right.	114.7

Kms.			*Kms.*
258.0		Palm grove on right.	113.7
258.3		Palm groves and village on right.	113.4
258.5		Bridge to left.	113.2
258.8		End of palm groves.	112.9
259.1	Regulator	30 ft. wide, 15 ft. long.	112.6
259.6		Overhead wires—ample clearance.	112.1
260.1		Overhead wires—ample clearance.	111.6
261.7	ABU QURQAS (59725805)	Village begins with houses and factory on left. Overhead wires and street lighting. Road is 30 ft. wide.	110.0
262.6		Road to right.	109.1
262.8	Railway Station	Bridge to station on left.	108.9
263.0	Road Junction	A road forks right. Width now 20 ft.	108.7
263.5	Level Crossing	Factory on right.	108.2
263.9		End of village. Road continues on a short embankment through thin avenue of trees.	107.8
265.2		Small village on right.	106.5
266.3		Low bank on right.	105.4
266.8	Crossroads	Continue straight on.	104.9
267.2		Small grove of palms on right, followed by low spoil bank.	104.5
268.6		Palm grove again, with scattered houses.	103.1
269.1	Crossroads	Continue straight on through village.	102.6
271.8		End of palms. Open cultivation continues on right. Road is about 15 ft. wide and edges are crumbling in places.	99.9
272.5		Small village and thick trees on right.	99.2
273.4		Overhead wires—ample clearance. Road continues down an avenue with an irrigation canal on either side.	98.3
274.4		Village on right. Canal makes a diversion round it.	97.3
274.6		Bridge on left.	97.1

Kms.			*Kms.*
274.9		Overhead wires—ample clearance. End of village.	96.8
275.0	Road Junction	Road to right.	96.7
277.8		Turn right over regulator, 21 ft. wide, 110 ft. long.	93.9
	Police Barrier	Then continue straight ahead and *do not* turn left at Police barrier. Canal runs on right, and cultivation at slightly lower level on left. Road is 20 ft. wide.	
280.2	Level Crossing		91.5
281.5	Level Crossing	Sharp turn left over level crossing, then right. Light railway runs on farther side of canal to right.	90.2
282.0	Culvert		89.7
282.5		Village on far side of canal to right. Thick sugar - cane plantation to left.	89.2
282.9		Turn right, over regulator, 30 ft. wide, 33 ft. long, then over level crossing. Then continue over regulator, 24 ft. wide, 15 ft. long. Then left, over regulator, 24 ft. wide, 36 ft. long.	88.8
283.7		Road passes through village.	88.0
284.9		End of village. Succeeded by open country on right with sugar-cane and occasional palm trees.	86.8
286.0		Bridge on left. Small village and trees on right. Police barrier.	85.7
	Culvert		
287.0		Bridge on left.	84.7
287.4	Road Junction	Road to right.	84.3
288.7	Culvert		83.0
290.5		Village in palm trees on right.	81.2
290.7	Crossroads	Continue straight on.	81.0
291.1		End of village and palm grove. Open country on right with sugar-cane plantation.	80.6
291.6		Water tower on right of road.	80.1

Kms.				*Kms.*
292.8			Intermittent low spoil bank on right.	78.9
293.4			Village on right. Bridge on right. Canals now run on both sides of road.	78.3
296.5			Bridge to left. Straggling village on both sides of road.	75.2
296.6			Bridge on left, then pass over regulator, 12 ft. wide, 30 ft. long.	75.1
298.5	Culvert			73.2
300.3			Bridge to village on farther side of canal to left. Low spoil bank on right.	71.4
302.7			Water tower on right of road.	69.0
303.4			Dense palm groves on right and scattered houses.	68.3
303.7			Overhead wires—ample clearance. Bridge on both sides of road.	68.0
304.5			End of palm grove and of houses on right of road.	67.2
305.0			High spoil bank on right.	66.7
305.5			Turn left over bridge, 12 ft. wide, 30 ft. long—load, 5 tons. (This is minimum for whole road).	66.2
305.6			Turn right over bridge, 40 ft. wide, 66 ft. long, and continue over second bridge, 36 ft. wide, 42 ft. long.	66.1
306.1	Bridge		Swing bridge over canal, 30 ft. wide, 240 ft. long.	65.6
	DAIRUT	(59635394)	Commencement of factories and buildings of town. Street lighting.	
307.4			Main bridge on left. Continue straight over regulator, 27 ft. wide, 100 ft. long.	64.3
308.2	Culvert		End of town. Road, which is 30 ft. wide, proceeds with open country on right, irrigation canal on each side, and trees on left of road.	63.5

Kms.			*Kms.*
311.3		Village on left. Road is only 15 ft. wide. Canal is diverged around village.	60.4
312.7		Thick grove of palms on left and straggling village.	59.0
313.4		Overhead wires—ample clearance.	58.3
313.8		Small village on right.	57.9
314.2		Small factory.	57.5
314.8	Regulator	34 ft. wide, 15 ft. long.	56.9
	Road Junction	Road leads off to right.	
315.9		Walled enclosure with house and trees on right. Open country succeeds this.	55.8
317.7		Village on right.	54.0
318.5		End of village.	53.2
320.1		Small factory on right.	51.7
321.1	Regulator	30 ft. wide, 15 ft. long. Factory on right.	50.6
321.4		Bridge on left. Small bridge.	50.3
322.4		Small straggling village on right.	49.3
323.4	Regulator	35 ft. wide, 33 ft. long.	48.3
325.5		Village in palm grove on right. Road narrows to 10 ft. in places.	46.2
326.0		Small factory on right.	45.7
326.3		End of village. Road becomes 30 ft. wide again.	45.4
327.4	Culvert		44.3
327.9		Small factory on right, followed by open country.	43.8
328.6	Culvert		43.1
329.0		Factory and houses on right.	42.7
329.7		Bridge on left.	42.0
	Regulator	34 ft. wide, 57 ft. long.	
330.0		Overhead wires—ample clearance. Factory on right. Reed huts follow.	41.7
330.5	Culvert		41.2
331.1	Culvert		40.6
331.5		Large solitary house on right.	40.2
332.6	Road Junction (60585185)	Road right to EL TATALIYA.	39.1
337.1		Palm grove on right.	34.6
337.6	Culvert	Palm trees on right. Overhead wires—ample clearance.	34.1

Kms.				*Kms.*
338.2			High spoil bank on right.	33.5
338.3			Small village on right, after which spoil bank continues.	33.4
339.6			Overhead wires—ample clearance.	32.1
339.8			Factory and houses on right.	31.9
340.3	Regulator		28 ft. wide, 30 ft. long.	31.4
341.2			End of spoil bank.	30.5
341.4	MANFALUT Station	(61005120)	Bridge left to railway station and town.	30.3
342.8			Spoil bank re-appears on right.	28.9
344.4	Regulator		30 ft. wide, 25 ft. long.	27.3
348.3			Bridge to left.	23.4
353.8			Grove of palms on right and some houses. Spoil bank temporarily ended.	17.9
354.6	Road Junction		Road to right. Small village on right.	17.1
355.4			Village ends. Spoil bank recommences.	16.3
356.5			Prominent house on right.	15.2
360.1			Overhead wires—ample clearance.	11.6
361.2			Bridge on left. Police barrier. End of spoil bank.	10.5
361.3			Bridge to right.	10.4
361.8	Regulator		21 ft. wide, 18 ft. long.	9.9
362.6			Bank re-appears for ½ km., and then occurs intermittently.	9.1
368.1			Police barrier at entrance to ASYUT.	3.6
	Level Crossing		Tarmac road begins.	
369.4	ASYUT Road Junction	(63354990)	Turn right into double carriageway, 50 ft. wide. Continue straight on and under railway bridge.	2.3
370.7	Road Junction		Turn left immediately after passing under railway bridge.	1.0
371.7	ASYUT Railway Station			0.0

Section :

ASYUT (634499) to QENA (787385)
(243 Kms. - 151 Miles)

Date of Recce. : 16 March 1943.

GENERAL REMARKS

This is the recommended alternative route from ASYUT to QENA. The other road runs on the left bank of the NILE.

The present road was only open to traffic in August last. It crosses the NILE from the left to the right bank at the ASYUT Barrage.

For the first 30 miles the road runs along a flat cultivated plain of some considerable width, but limestone hills then gradually approach from the left. Much of the road subsequently runs along a narrow level plain between the River NILE to the right, and the hills on the left. At times the river runs immediately alongside the road.

For the usual reason (referred to in previous reports on this zone), dispersion of vehicles is practically impossible but cover for troops can often be found among trees and palm groves alongside or near the road.

Road Surface and Condition

The road has a dirt surface for the most part in an excellent condition. The exception to this is a stretch of road, thirty miles long, commencing at approximately Mile 82. Much of this part of the road runs along a newly-constructed embankment and is not yet fully consolidated.

The minimum width is 10 ft. in places where the sides of the road have collapsed somewhat.

Curves and Gradients

The road is practically level throughout, but some of the curves, particularly on and off certain regulators, are difficult if not impossible, for a trailer.

Overhead Height Limitations

The minimum clearance is about 15 ft. at Km. 81.6.

Weight Limitations

All bridges and culverts are Class 18 or above.

DETAILED REPORT

Kms.				*Kms.*
0.0	ASYUT Railway Station	(63354990)	Proceed WEST from Station Square.	243.0

Kms.			*Kms.*
1.0	Road Junction	Turn right under railway bridge and along double carriageway road.	242.0
2.4	Road Junction	Road left leads to CAIRO. Continue straight ahead.	240.6
2.6	Bridge (18)	Bascule bridge over canal.	240.4
3.4	ASYUT Barrage	Road 6 metres wide. Barrage approximately ½ mile long.	239.6
4.2		End of Barrage. Road continues as 30 ft. tar-macadam road.	238.8
4.5	Road Junction	Turn right along 20 ft. dirt road.	238.5
5.0	Regulator (18)	20 ft. wide, 50 ft. long.	238.0
5.1		Factory on right. Road runs parallel to a canal on left, with cultivation on far side of canal.	237.9
5.6	Road Junction	Road to left. Cultivation on lower level than road on right. Canal on left. Scattered trees. Road is 15 ft. wide.	237.4
6.6		Large palm grove on left. Some bad curves.	236.4
7.4		Sharp right followed by sharp left turn. River now runs immediately on right of road. Dense palms continue on left.	235.6
9.2		Village on left.	233.8
10.0		End of village. Road runs through grove of palm trees.	233.0
10.5		Village on right.	232.5
12.9		Village in palm trees on left. Road turns left away from river.	230.1
13.2		Sharp right turn. Road runs parallel to river almost 100 yds. distance. Overhead wires. Ample clearance.	229.8
14.3	Road Junction	Road to left.	228.7
14.5		Road runs between low spoil hills and over bridge, 20 ft. wide, 80 ft. long. Road then emerges into a flat cultivated area with canal on left.	228.5
14.6		Overhead wires. Ample clearance.	228.4

Kms.				*Kms.*
15.0	Road Junction		Road to left.	228.0
15.9			Overhead wires. Ample clearance. Low spoil bank on right.	227.1
16.1			Overhead wires. Ample clearance. Bridge on right. Cultivation extends for about 1 km. on far side of canal, then barren desert.	226.9
17.9	Culvert			225.1
18.7			Small factory. 200 metres on right. Canals now on both sides of road.	224.3
20.9			Village in palm grove on right.	222.1
21.4			Overhead wires—ample clearance.	221.6
21.5	Culvert		Canal now only on left of road	221.5
22.2			Overhead wires—ample clearance.	220.8
22.3			Bridge to left. Road drops to level of cultivation on right.	220.7
22.8			Village on right.	220.2
23.1			Overhead wires—ample clearance. Village ends. Road runs across barren desert soil with a spoil bank 100 m. to left of road.	219.9
24.1			Native cemetery on right.	218.9
24.6			Overhead wires—ample clearance. Road enters cultivated area again.	218.4
24.7	Regulator		12 ft. wide, 75 ft. long.	218.3
24.9			Overhead wires—ample clearance. Road curves gently left and right.	218.1
25.5			Bridge on left. Houses on right. Canal runs parallel to road on left.	217.5
27.0	Culvert		Village on right in palm trees.	216.0
27.1			Bridge to left.	215.9
29.0	Culvert		Grove of palms, etc., on right.	214.0
30.1		(64654825)	Large house on right. Bridge to left.	212.9

Kms.			*Kms.*
30.6		Water tower on far side of canal on left of road.	212.4
30.8	Culvert		212.2
32.5		Bridges on both sides of road.	210.5
36.2		Village on right.	206.8
36.5		Bridge to left.	206.5
37.3		Overhead wires—ample clearance.	205.7
37.8		Overhead wires—ample clearance.	205.2
38.1		Bridge to left. Open cultivation appears on right.	204.9
38.6	Road Junction	Overhead wires—ample clearance.	204.4
		Road to right. Bridge to left.	
40.8		Bridge to left.	202.2
41.5		Village on far side of canal on left.	201.5
42.0		Bridge to left.	201.0
42.2		End of village. Open cultivation on right. Road is now 20 ft. wide and runs on an embankment above the level of surrounding cultivation.	200.8
44.3		Village 200 m. distant on right, among scattered palms.	198.7
44.8		Overhead wires—ample clearance.	198.2
45.9		Bridge on right to a few buildings.	197.1
46.5	Crossroads	Continue straight on over Regulator 27 ft. wide, 30 ft. long.	196.5
		Hills approaching close to road on left.	
46.9		Overhead wires—ample clearance.	196.1
48.6		Hills come down to canal on left.	194.4
48.9	Culvert	Overhead wires—ample clearance. Small village on right.	194.1
50.7		Low spoil bank on right.	192.3
52.3		Overhead wires—ample clearance.	190.7
52.5	Crossroads	Keep straight on. Road reduced to 15 ft. wide.	190.5

Kms.			*Kms.*
53.9		Hills recede from canal on left. Scattered huts on left.	189.1
56.9		Overhead wires—ample clearance.	186.1
57.1		Bridge on left to village on other side of canal.	185.9
58.7		Village among palms on right.	184.3
58.9	Crossroads	Open cultivation comes in again.	184.1
61.7		Dense palm grove on far side of canal to left.	181.3
62.0		Overhead wires—ample clearance. Small clump of palm trees on left.	181.0
62.2		Bridge to left.	180.8
62.8		Scattered huts on right.	180.2
63.8		Dense palms on right. Spoil bank on left. Hills begin again to approach road on left.	179.2
65.2	Crossroads	Continue straight on over regulator, 33 ft. wide, 21 ft. long, then over	177.8
65.4		Regulator, 18 ft. wide, 25 ft. long. Village on left of road.	176.6
66.3		Low spoil bank on right.	175.7
67.4		Scattered huts among palms on right.	174.6
67.8		Bridge to left.	174.2
68.4		Hills come down to canal on left.	173.6
69.4		Road continues down avenue of palms.	172.6
70.0		Bridge on left to village. Low spoil bank on right.	172.0
72.4		Bridge on left to village.	169.6
73.4	Level Crossing	Decauville line to quarries in face of hills.	168.6
73.7		Bridge to left. Small village on right. Canal on left has been recently dug out of solid rock.	168.3
75.9		Spoil bank on right. Road recedes from river, and hills recede on left.	166.1
76.9		Overhead wires—ample clearance. Bridge to left.	165.1

Kms.			*Kms.*
78.6	Culvert	Overhead wires—ample clearance. House in walled enclosure on right. Bridge on left.	163.4
80.2	Road Junction	Road to right. Open cultivation on either side.	162.8
80.7		Bridge to left.	162.3
80.8		Village in palm grove on left.	162.2
81.0		Overhead wires—ample clearance. Bridge to left.	162.0
81.1	Fork Roads	Take left fork and continue along with canal on left.	161.9
81.6		Overhead wires—clearance about 15 ft. only.	161.4
83.9		Bridge on left.	159.1
84.2		House in palm grove on right.	158.8
85.1		Overhead wires—ample clearance.	157.9
85.5		Village in palm trees on right.	157.5
85.6		Bridge to left.	157.4
85.9		End of village. Open cultivation.	157.1
86.1		Overhead wires—ample clearance.	156.9
87.5		Village 400 metres to right in palm grove.	155.5
89.3		Small village of reed huts, on right.	153.7
89.6		Bridge to left.	153.4
90.9		Scattered houses on right.	152.1
91.1		Overhead wires—ample clearance. Bridge to left and houses in palm groves to right.	151.9
91.5		Overhead wires—ample clearance.	151.5
93.5		Overhead wires—ample clearance. Bridge on left. Hills approach close to road on left.	149.5
95.6		Overhead wires—ample clearance. Bridge on left. Scattered village on right. Hills approach close to road on right.	147.4
96.0	Road Junction (68654390)	Road right to AKHMIM (11 kms.). Continue straight on. Low spoil bank on right.	147.0

Kms.				*Kms.*
97.2	Culvert		Overhead wires—ample clearance. Bridge on left.	145.8
98.2			Road passes through avenue of trees.	144.8
98.5			Bridge on left.	144.5
99.0			Overhead wires—ample clearance.	144.0
99.6			Bridge on left.	143.4
100.6	Road Junction		Road to small village on right.	142.4
102.2			Overhead wires—ample clearance. Bridge to left. Village on right.	140.8
102.7		(69054355)	Bridge to another small village on right. Spur of hills comes down to canal on left.	140.3
104.0			Overhead wires—ample clearance. Bridge on either side of road.	139.0
105.9			Bridge on either side of road.	137.1
107.0			Bridge on either side of road. Cultivation extends for about ½ km. on left. Bare hills succeed this.	136.0
108.0			Small village on far side of canal to left.	135.0
108.3			Small village on right, reached by bridge.	134.7
108.6	Regulator		On left of road. Cross over regulator, 18 ft. wide, 9 ft. long.	134.4
108.8	Regulator		20 ft. wide, 27 ft. long. Low spoil bank on right.	134.2
108.9	Culvert			134.1
110.0			Low hills come down to canal on left.	133.0
110.5			Small village in palms on right of road.	132.5
111.0			Overhead wires—ample clearance.	132.0
111.3			Bridge on left. River NILE runs practically alongside road on right.	131.7
	Regulator		18 ft. wide, 33 ft. long.	
112.7			Small village on top of low hill on far side of canal to left.	130.3

Kms.			*Kms.*
114.6		Low spoil bank on right.	128.4
115.7		Fairly wide plain develops between road and River NILE on right.	127.3
117.5		Bridge left to village. Low spoil bank on right. Some cultivation appears on far side of canal to left.	125.5
119.4		Village on right. Road now 12–15 ft. wide.	123.6
121.8		End of village on right.	121.2
123.1		Village in palm trees along river bank, 200 metres to right.	119.9
123.3		Bridge to left. Scattered huts on both sides of road.	119.7
124.7		High spoil bank on right. Hills approaching close to road on left.	118.3
126.6	(68764150)	Irrigation canal goes through tunnel in spur on hills on left. Hills meet the road which goes round on an embankment 24 ft. wide.	116.4
127.9		Canal emerges from tunnel.	115.1
132.0		Low spoil bank on right for 1 km. Road deteriorates considerably.	111.0
133.4		Bridge to village among palms on left.	109.6
133.8		Overhead wires—ample clearance.	109.2
135.0	Level Crossing	Decauville line to quarries in hillside to left. River NILE now runs immediately alongside road on right.	108.0
137.8		Village on left of road among palms. Hills now recede somewhat from road on left.	105.2
138.7	Road Junction (70524066)	Bridge to left. Road to right. Some cultivation on far side of canal on left. Open cultivation on right.	104.3
140.0		Bridge on left.	103.0
141.0	Culvert		102.0
142.6		Bridge left to village on far side of canal.	100.4

Kms.				*Kms.*
143.5			End of high hills on far side of canal, which now recedes considerably.	99.5
147.3			Low spoil bank on left.	95.7
147.8			Village in palms on left of road.	95.2
149.3			Overhead wires—ample clearance.	93.7
149.4			Bridge on left to village in palm grove.	93.6
151.8			Village in thick palm grove on right.	91.2
152.4			Bridge to left followed by road to right. Low spoil bank.	90.6
153.4			Isolated houses among trees on right.	89.6
155.6			Overhead wires—ample clearance.	87.4
157.4			Overhead wires—ample clearance. Houses in trees to right.	85.6
157.5			Bridge to left.	85.5
159.1			Walled enclosure with palm trees, etc., on right.	83.9
159.6	Regulator		18 ft. wide, 24 ft. long.	83.4
	Crossroads		Bridge to left. Continue straight on.	
161.4			Bridge to left.	81.6
162.8	Road Junction		Road to right.	80.2
166.5			Trees line road on left.	76.5
167.7			Overhead wires—ample clearance. Bridge on left.	75.3
176.6	Culvert			66.4
177.5	NAG HAMMADI Barrage	(73203830)	Turn left over regulator, 20 ft. wide, 100 ft. long, opposite barrage. Then right after crossing regulator. Spoil bank on left.	65.5
178.1	Regulator		21 ft. wide, 85 ft. long. Dry irrigation canal on left. Spoil bank on right.	64.9
178.6	Regulator		12 ft. wide, 33 ft. long. Road surface improves again after having been bad since Km. 132. Hills come down practically to canal on left.	64.4

Kms.			*Kms.*
182.1		Spoil bank ends. River NILE flows immediately to right of road. Road is 12 to 15 ft. wide.	60.9
184.2	Footbridge	To stone quarries on left. Plain between river and road widens.	58.8
187.6	Road Junction	Road to right.	55.2
193.4		Hills recede from canal on left.	49.6
193.9		Road down to 10 ft. wide in places due to collapse of embankment.	49.1
195.0	Level Crossing (74663770)	Bear sharp left.	48.0
195.2	T-shaped Bridge	15 ft. wide.	47.8
	Road Junction	Road right to CAIRO along left bank of NILE turns off half-way across bridge. (Route No. 35.) Railway runs on left, open cultivation on right, immediately after crossing bridge.	
196.0		Village in palm trees on right.	47.0
196.3		End of village.	46.7
197.6	Regulator	15 ft. wide, 80 ft. long, off-centre with road.	45.4
198.1	Road Junction	Road to right.	44.9
198.6		Road veers right away from railway.	44.4
200.0	Level Crossing (75153767)	Sharp turn left over level crossing, then over regulator 26 ft. wide, 45 ft. long. Turn sharp right.	43.0
202.6	Road Junction	Road to left. Overhead wires—ample clearance.	40.4
203.4	Road Junction	Bear left. Bridge to right.	39.6
204.0		Solitary building in cultivation to left.	39.0
204.5	Regulator	12 ft. wide, 17 ft. long.	38.5
205.0		Massive overhanging trees on right-hand side of road.	38.0
205.7		Bridge to right.	37.3
206.3		Overhead wires—ample clearance.	36.7
207.3		Small village on left.	35.7

Kms.			*Kms.*
207.6	Culvert		35.4
207.9	Culvert		35.1
208.2	Regulator	11 ft. wide, 21 ft. long.	34.8
	Crossroads	Continue straight on.	
210.6	Culvert	By-passed by road.	32.4
210.8		Bridge to right	32.2
211.8	DISHNA (76353817) Railway Station	On right of road, approached by bridge. Police barrier with mosquito control post.	31.2
212.7		Bridge to right.	30.3
213.2		Walled enclosure on left.	29.8
215.8	Road Junction	Road to left and bridge to right.	27.2
217.1		Village in dense palms on left. Overhead wires—ample clearance.	25.9
219.3	SAMATA (76843810) Railway Station	On right of road.	23.7
219.7		Bridge to right. Scattered village in palm grove on left.	23.3
220.3		Palm grove with small village on left.	22.7
222.4		Palm grove with large village on left.	20.6
225.0		Village in palm grove on left.	18.0
226.4	Road Junction	Road to left.	16.6
226.6		Overhead wires—ample clearance.	16.4
226.7		Bridge to right.	16.3
227.4		Sharp turn left over	15.6
	Regulator	12 ft. wide ; 15 ft. long.	
227.6	Level Crossing (77373860)		15.4
228.7	Road Junction	Road to left.	14.3
229.2	Regulator	16 ft. wide, 24 ft. long.	13.8
230.6		Bridge to right.	12.4
231.9	Road Junction	Road to left. Bear right. Road comes in on right.	11.1
232.5		Road narrows to 10 or 12 ft. in places.	10.5
233.2		Bridge to left. Spoil bank on right. Canal on left.	9.8

Kms.				*Kms.*
234.8	Road Junction		Road to right. Spoil bank ends.	8.2
237.2			Low, bare hills approach close to road on left.	5.8
239.5	Road Junction		Road comes in on right.	3.5
242.0	QENA	(78653854)	Beginning of houses and street lighting.	1.0
243.0	Bridge		Cathedral and bridge over irrigation canal.	0.0

Section :

QENA (787385) to SHELLAL (809150)
(317 Kms. - 197 Miles)

Date of Recce. : 2 and 3 March 1943.

GENERAL REMARKS

The first 71 miles of this route lie through the cultivated area bordering the NILE. In this section the road has a dirt surface, width is from 15 to 20 ft. average, and passes over numerous regulators, culverts and bridges, the narrowest being 10 ft. wide (at Km. 56.4).

The next 100 miles runs through the desert, with occasional points at which the road touches or approaches cultivated area. This portion of the road runs through low hills and is winding and undulating. It has been partially improved by grading and is in reasonably good condition.

The last part of the road again traverses the cultivated area. The narrowest part of the whole road occurs here, where there is a clearance of only 9 ft. between the railway embankment on one side and a native house on the other.

For the most part the road is a defile except in the desert section where movement off is possible in many places. Traffic is restricted to the road in the cultivated area due to (a) canals running parallel to the road ; (b) the road being built on an embankment above the level of the surrounding cultivation ; (c) high spoil banks lining the road on one side or another, or (d) the railway line running close to and parallel to, the road.

Road Surface and Conditions

Varies in each section, but is in fairly good condition throughout. In the cultivated area it is a dirt surface, while in the desert section it is largely the natural surface of the ground traversed. In the hilly region, the road has sometimes been built up of the local stone. Road is liable to inundation during the Nile flood season.

Curves and Gradients

Curves on and off bridges and regulators are often too sharp for trailers, and there are many blind bends. Gradients are all easy, except the final descent to the NILE Valley at Km. 284.6, which is rather steep and requires care.

Overhead Height Clearance

Occasional overhead telephone wires appear to have ample clearance.

Weight Limitation

Weak bridges limit use of road to Class 5 traffic only (October 1943).

Kms.				*Kms.*
0.0	QENA	(78653854)	Centre of bridge over canal, near Cathedral. Width of carriageway 20 ft.	317.0
0.8	Fork Road		Gabelawi Hotel, left to railway station and SAFAGA. (Route No. 75.) Take right fork. Road (earth construction) runs along right bank of canal after passing through centre of town, and then round huts on outskirts. Road width varies between 12 and 20 ft.	316.2
2.7	Road Junction		Junction with new higher road which comes in from QENA Railway Station. Road continues parallel to railway on left.	314.3
2.9	Bridge		12 ft. wide, 87 ft. long. Road is winding and narrow	314.1
	Culvert		(minimum width 12 ft.) for next 3 kms.	
3.8			Huts in palm grove on right.	313.2
4.6	Road Junction Level Crossing		Road goes off right to I.W.T. Dock. Overhead wires—ample clearance.	312.4
5.8			Huts and trees on right of road.	311.2
8.3	Crossroads		Overhead wires—ample clearance. Keep straight on.	308.7
	Regulator		15 ft. wide, 15 ft. long. Turn to right. Palm trees on right of road for next ½ km.	
10.9	EL ASHRAF Station	(79283780)	On left of road. Village on right. Turn left at Police Post.	306.1
11.9	Culvert			305.1
15.4	Road Junction		Road to right.	301.6
15.9	Culvert		Culvert over canal. Country becomes very open.	301.1
16.1			Bear left, a road crosses bridge on right over canal, immediately afterwards. Cross regulator set at angle to road. Another bridge crosses canal on left.	300.9

Kms.				*Kms.*
16.4	Culvert		27 ft. wide, followed by village on right.	300.6
18.6			Intermittent trees line the road on one side or the other for short distance.	298.4
19.6			Grove of palm trees with houses, on right.	297.4
20.4			Overhead wires—ample clearance. Village 200 metres on right. Trees extend along right of road for next 2 kms.	296.6
22.8	Road Junction		Turn left over regulator, 18 ft. wide, 20 ft. long. Bear slightly left after crossing at road junction. Road is about 20 ft. wide. Canal and railway run on left. Open cultivation on right. Fairly constant line of trees along road and canal to left. Scattered trees on right.	294.2
22.9			Overhead wires—ample clearance. Shell depot on right.	294.1
23.3	Bridges		Pass over bridge, 18 ft. wide, 12 ft. long, then over level crossing and another bridge, 16 ft. wide, 25 ft. long.	293.7
24.1	QIFT	(79603672)	Turn right just before reaching bridge.	292.9
25.0			Bridge on left of road.	292.0
26.3			Scattered huts to right of road.	290.7
28.4			Overhead wires—ample clearance.	288.6
29.0			Diversion to right around regulator under construction.	288.0
29.2			Village on right, succeeded by open cultivation.	287.8
30.0			Long straggling village begins on right. Trees along road and canal on left.	287.0
32.4			End of straggling village. Palm trees begin on either side of road.	284.6
32.7			Overhead wires—ample clearance.	284.3

Kms.				*Kms.*
33.9			Another village commences on left. Bridge on left to village on other side of canal.	283.1
35.0			Overhead wires—ample clearance. Near end of village. Blind right-hand turn out of village.	282.0
36.0			Small village on right.	281.0
36.8			Overhead wires—ample clearance.	280.2
37.8			End of village.	279.2
	Regulator		27 ft. wide, 30 ft. long.	
38.4			Village commences on right.	278.6
38.7	Regulator		24 ft. wide, 15 ft. long.	278.3
	NAG EL RASHUN Crossroads	(79403536)	Police post. Overhead wires with ample clearance. Bridge on left, two roads leading right.	
39.2			Village on right.	277.8
40.0			Village begins on right.	277.0
40.6			End of village on right. A spoil bank extends intermittently on right for next ½ km.	276.4
42.2			Village on right. Row of trees on left. Road about 20 ft. wide runs on definite embankment.	274.8
42.6	Regulator		12 ft. wide, 57 ft. long.	274.4
42.9	Level Crossing		Turn left over level crossing, then over bridge, 13 ft. wide, 9 ft. long.	274.1
44.6			Small village among palm trees on right. Followed by open cultivation.	272.4
45.1			Village among palm trees on right.	271.9
46.7	Level Crossing	(79353466)	Turn sharp left over level crossing and continue over bridge, 18 ft. wide, 80 ft. long. Turn sharp right. Trailer would have difficulty in negotiating these bends. Railway now runs on right of road. Country between very open on both sides.	270.3
50.1			Overhead wires—ample clearance.	266.9

Kms.				*Kms.*
50.4	Regulator		18 ft. wide, 20 ft. long. Bridge on right, small village on left.	266.5
50.7			Road curves to right.	266.3
53.7			Bridge to right over canal.	263.3
54.0	Culvert		18 ft. wide, 10 ft. long.	263.0
55.6			Isolated huts on left.	261.4
56.4	Culvert		Near huts. Effective width 10 ft., length 10 ft. Off centre with road.	260.6
57.2			Bridges to right.	259.8
57.3			Overhead wires—ample clearance. Spoil bank begins on left.	259.7
60.7			Village commences on left. End of spoil bank. Occasional trees line road.	256.3
63.5	Regulator		15 ft. wide, 18 ft. long.	253.5
63.6	ABU OMAR Crossroads	(78373338)	Continue straight across for ASWAN. Right for LUXOR and left for airfields.	253.4
66.3	EL HUBELL		Village.	250.7
70.1	Regulator		12 ft. wide, 10 ft. long. Off centre with road. Keep right.	246.9
71.9	BUGHDADI	(97613278)	Village and level crossing, the approaches to which are blind. Road now improves considerably as cultivation decreases on the left, *i.e.*, stone forms a higher proportion of the road surface.	245.1
72.0	Regulator		12 ft. wide, 60 ft. long.	245.0
78.8			The KALLABIYA Canal now runs along the left of the road, the NILE approaching closely on the right, but which is frequently blocked from view by a high bank on the right of the road.	238.2
80.5			Cultivation both sides again.	236.5
81.6	Regulator		14 ft. wide, 15 ft. long.	235.4
85.7	ARMANT Station and Crossroads	(96643214)		231.3

Kms.			*Kms.*
87.8		Date groves on right, scattered clumps on left.	229.2
92.0	Bridge	15 ft. wide, 20 ft. long	225.0
92.6		Wooded country on left.	224.4
94.5	SHAGHAB (76513135) Regulator	15 ft. wide, 12 ft. long.	222.5
97.4	EL DIBABIYA (76653109) Village	Road now runs along with a high spoil bank on the right and a dry canal on the left. Bare stony hills come down to within 500 m. of the canal on the left, and gradually approach closer.	219.6
99.7	EL MI'ALLA Village		217.3
101.6		River now comes within 100 m. of road on right.	215.4
102.1		Bend to right blind, on account of high bank obstructing view. Cultivation.	214.9
105.5		Road becomes more bumpy. Cultivation now ceases at the railway line.	211.5
111.8	MA'ANTANA (77303988) Station Level Crossing	Sharp left turn over bridge, then rise to Sharp right turn down off level crossing, followed by sharp left turn 50 m. beyond. Trailers would be considerably handicapped by these bends. Desert section of road begins. Road is 25 ft. wide on the average, and runs through stony ground on which dispersion would be possible in most places. Road is well marked, cleared and partially graded, although rather bumpy.	205.2
120.0		Road begins to wind round edge of hills.	197.0
120.6		Cultivation approaches within 200 m. of road, receding again after one mile.	196.4
124.5		Well, 70 m. on right. Not potable.	192.5
126.7		Road veers left away from cultivation through gap in hills, and climbs over low pass.	190.3

Kms.				*Kms.*
127.4			End of climb over Pass. Road descends to Wadi KILABIYA.	189.6
132.8			Decauville railway serving shallow quarries runs on right of road.	184.2
133.5			Subsidiary track forks right. Keep to left-hand fork.	183.5
134.5	SHARANNA EL QIBLI Village	(78382828)	Village on brow of hill, 300 m. to right.	182.5
136.0	Fork Roads		Subsidiary track forks right. Phosphate Company's buildings 200 m. on right.	181.0
137.5			Track enters right, from phosphate workings.	179.5
138.8			Turn left just before approaching railway and River NILE. Decauville lines cross here, and after 1 km.	178.2
	EL SIBA'IYA Station		On right.	
140.1			Road winds back into hills again. Some sharp turns on this section where road winds among low stony hills. Movement off would be practicable, but with some difficulty.	176.9
143.3			Track forks left. Straight on to phosphate mine.	173.3
148.0			Road crosses flat wadi bed, and runs on bank.	169.0
152.4			Short, steep ascent.	164.6
153.4			Track turns right. Abandoned track continues straight on.	163.6
157.7			Short, steep ascent, 'blind' at top. Bear left after negotiating.	159.3
158.0			Veer right at short steep rise. 'Blind' crest, after which, bear left.	159.0
158.9			Short, steep descent.	158.1
159.7			Mine buildings on right.	157.3
163.7			Track forks left. Main route straight on.	153.3
164.1			Short, steep rise. 'Blind' crest.	152.9

Kms.			*Kms.*
164.9	Fork Roads	Main route forks left.	152.1
165.7		Main route turns sharp left. Rough track continues straight on.	151.3
166.3		Short, steep rise.	150.7
166.9		Temple of Amenophis III, 60 m. to right of road. For the last 20 kms. the road has been winding through stony hills. Movement off the road on either side has only been exceptionally possible. From this point on the road goes down through a gap towards the NILE again, but turns off left on reaching the plain and runs along its edge. Movement is then freely possible on the right.	150.1
168.5		Prominent pillar of rock on right at distance of 30 yards.	148.5
169.5		Track bends left towards gap in hills.	147.5
171.4		Track turns right down narrow wadi which is practically a defile.	145.2
171.8		Track emerges from hills and enters broad wadi. Some cultivation about 2 kms. to right.	145.2
174.8		Track passes over ridge.	142.2
178.0		Short steep descent of 50 metres into WADI EL DOMI (80452648). Gentle climb out 100 yds. beyond.	139.0
180.6		Plain closes in and track enters narrowing wadi.	136.4
183.0		Top of pass.	134.0
185.4		Track emerges from hills into broad wadi which is partly covered with small bare hummocks.	131.6
188.5	KOLET EL MIZARI	Track passes through short gap in low hill. House 400 metres on right. Water available.	128.5
188.8		Cross narrow wadi and make easy climb into low hills.	128.2

Kms.				Kms.
189.4			Short steep ascent. Bear right at blind crest.	127.6
190.4			Short steep ascent. Turn right at top, followed by sharp curves.	126.6
190.7			Emerge from low hills into broad wadi. Sharp bends at beginning of wadi crossing.	126.3
200.9			Bear right out of WADI EL HOWWI across the WADI EL SARRAG.	116.1
204.9			Road runs out of wadi into hills. Impassable on each side. Many easy curves, ascents and descents.	112.1
210.9			Road runs in defile.	106.1
212.6	RAMADI Station	(80982348)	Road emerges from hills at this station and then runs parallel to railway on right across a bare stony plain with hills on left. Cultivation on the other side of railway line.	104.4
214.9			Small tomb 30 metres on right.	102 1
220.4	SILWA BAHARI Station	(81112280)	Bad blind left-hand turn near village.	96.6
222.8	NAG EL MIHEIGAR	(81192252)	Village.	94.2
226.8	NAG EL KAGUG	(81242212)	Village.	90.2
228.2			Camel track bears left. Main track runs into hills and starts gentle climb.	88.8
231.3			Summit of pass.	85.7
232.3			Sharp right bend.	84.7
234.4			KOMOMBO Plain. Emerge from hills on to wide plain. Wide flat wadi to right, low hills on left.	82.6
236.5			Cross two Decauville tracks leading to phosphate deposits.	80.5
238.5			Sharp right turn. Abandoned track goes straight on.	78.5
240.3			Approach cultivation and canal 50 metres to right.	76.7
242.2			Bear left away from canal.	74.8
244.1			Sharp right turn.	72.9

Kms.				*Kms.*
245.9			Abandoned track comes in from left at open right-hand bend.	71.1
246.6			Over saddle in foothills.	70.4
248.4			Turn right. Abandoned track goes straight on.	68.6
249.5			Track has been improved by earth surfacing.	67.5
259.3			Road crosses a mud flat with cracked and broken surface.	57.7
260.2			Decauville line crosses track. Track leading to KOMOMBO follows line to right.	56.8
264.7			Ruined building 10 metres to right.	52.3
265.1			Abandoned track forks left. Road bears right.	51.9
266.9			Water course crosses road. Care needed.	50.1
267.4			Water course crosses road. Care needed.	49.6
268.0			Water course crosses road. Care needed.	49.0
269.4		(81371891)	Ruined buildings 50 metres right.	47.6
274.1			Turn left into cultivation.	42.9
275.7	Level Crossing	(80971848)	Turn right on to crossing. Left turn off. Run parallel to line on left.	41.3
278.9	GA'AFRA Station	(80901817)	Sharp left turn to cross level crossing in station and enter narrow rising defile. Road now passes over rocky rolling hills. The road is very winding, but well built, with an excellent surface.	38.1
284.6			Top of descent. Panorama of NILE Valley. Very steep descent follows. Dangerous, requiring great care.	32.4
285.2			Bottom of hill. Railway 50 m. on right.	31.8
285.8			Short, steep ascent, curving right ; followed by gentle curves and final descent to railway line.	31.2
291.2			Road again runs alongside railway line, after passing	25.8

Kms.				*Kms.*
			cemetery on right. Stony hills with quarries on left. Narrow strip of palms between railway and river.	
294.4			Bear right over level crossing ; then left.	22.6
294.8	Culvert		20 ft. wide—which is normal width of road.	22.2
296.1	KHATTARA Station	(80521692)	On right.	20.9
301.1			Bear left over regulator, 20 ft. wide, 25 ft. long.	16.9
301.4			Road narrows to 12 ft. due to houses near railway line.	16 6
301.8			Road again narrow due to houses. Effective width now 10 ft.	16.2
303.6			Road bears right around village.	13.4
304.2			House on right causes very narrow road—width only 9 ft.	12.8
306.8			Turn right along bank of canal.	11.2
306.9	Bridge		Turn left over bridge, 15 ft. wide, 50 ft. long, and right off bridge.	11.1
307.0	Hospital		ASWAN Egyptian Military Hospital on left. Turn left.	10.0
307.4	Level Crossing		Bear right over level crossing and then left on to narrow metalled road, 15 ft. wide.	9.6
307.7			Road widens to 20 ft. and is asphalt surfaced.	9.3
309.0	ASWAN Station		Square on left-hand side.	8.0
310.6			Turn left out of main road for SHELLAL—second turning after GRAND HOTEL through narrow cutting which is defile.	6.4
310.9	Crossroads			6.1
312.4			Road comes in from left.	4.6
313.8	Level Crossing		Turn left over level crossing. Bear right.	3.2
315.4	SHELLAL		Road to Transit Camp forks left.	1.6
315.5			Track forks right to Airfield.	1.5
315.6			Road to Transit Camp left.	1.4
317.0			Start of desert road to WADI HALFA.	0.0

CAIRO (635812) via FAIYUM to Junction with Main CAIRO—ASYUT Road (634747)

(122.3 Kms. - 76 Miles)

Date of Recce. : 15 March 1943.

GENERAL REMARKS

As far as MENA the road runs through the CAIRO suburbs, where residential properties are interspersed with cultivation. From MENA to KOM AUSHIM the road traverses barren desert. Going off the road in this part is practicable for most of the distance, but cover of any sort is completely absent.

On reaching the edge of the FAIYUM Oasis at KOM AUSHIM, the road passes through cultivation again as far as the ruined town of PHILADELPHIA. Movement off the road is practically impossible in this area, but cover in trees, etc., is plentiful.

Desert is again traversed from PHILADELPHIA, to the edge of the NILE Valley.

Road Surface and Condition

From CAIRO to the KOM AUSHIM, the road is either tar-macadam or "mix-in-places," in excellent condition. This also applies to the second stretch of desert traversed between PHILADELPHIA and the NILE. Road width is from 15 ft. up to 25 ft. or more.

The rest of the road is the normal Egyptian dirt road of width varying from 10 ft. to 20 or 30 ft.

Curves and Gradients

Curves are generally all gentle, as are the gradients, but trailers may find difficulty in traversing some of the villages, where curves are sometimes sharp.

Overhead Height Clearance

Clearance is ample at all places where overhead wires cross the road, but there is a limit of 14 ft. when the main MENA road passes under the railway bridge at GIZA.

Weight Limitations

The only bridge weight indicated on any bridge on the route is 5 tons. The road probably therefore takes Class 9 loads.

DETAILED REPORT

Kms.				*Kms.*
0.0	CAIRO Road Junction	(63508118)	Junction with road leading to Upper Egypt. (Route No. 30.)	122.3
0.5			Pass under railway bridge. Overhead clearance 14 ft.	121.8
0.8			Built-up area ends. Road is double carriageway, tar-macadam surface, each lane 25 ft. wide. Tramlines in middle of road.	121.0
6.7	Road Junction		Road left to BENI YUSEF.	115.6
6.9	Road Junction		Road left to BENI YUSEF.	115.4
8.2	Road Junction		Turn right. 30 ft. tar-macadam road. Camp area starts almost immediately.	114.1
8.9	Roundabout		Turn left to FAIYUM. Straight on to ALEXANDRIA, (Route No. 32). Road now 20 ft. tar-macadam. Barren flat-topped hills on left. Camp mainly sited on sandy desert area on right.	113.4
11.3			Overhead wires—ample clearance.	110.0
11.6			Low rocky hills now lie on each side of road, which proceeds through a short defile, climbing gently.	110.7
12.7			Top of hill. Country flattens out. Dispersion freely possible.	109.6
13.2	Road Junction		Road on right to ALEXANDRIA for desert-worthy cars.	109.1
14.2			Km. 5 Post. Country on either side is sandy soil, passable with ease. Huts on right of road.	108.1
16.4			W/T Station. Wireless masts to right. Road is gently undulating and in reasonably serviceable condition. No berms.	105.9
24.3			Military Camp Area. Enclosed in wire fence on left.	98.0
26.3			Overhead wires—ample clearance.	96.0

Kms.			*Kms.*
27.6		R.A.F. Landing Ground. On left.	94.7
30.9	Road Junction	Desert track goes off on left.	91.4
32.4		Overhead wires—ample clearance.	89.9
33.6		Military Camp. On left.	88.7
34.8		Km. 25 Post.	87.5
37.6		Low hills, 5–10 metres high, approach road and then recede. Road climbing very gently to top of ridge. Country on either side consists of low gently-rolling hills, but going off is still good.	84.7
39.9		Crest of rise. Road is now sometimes raised a foot or so about the surrounding desert.	82.4
42.4		Road starts a very gentle descent.	79.9
44.7		Km. 35 post	77.6
48.0		Crest of rise. Excellent view of flat country ahead.	74.3
50.4		Low lying flat-topped hills on left.	71.9
53.1		Buildings on right. Road then drops down over slight crest. Flat-topped hills, 5–10 metres high, lie on both sides of the road for 2 miles.	69.2
55.0		Km. 45 post. Country 1 km. to the left is more broken. There are occasional patches of sand across road but not deep enough to be troublesome.	67.3
59.2		Patches of cultivated ground comes within 1 km. of road on left.	63.1
62.2		Overhead wires—ample clearance.	60.1
62.8		Huts on right of road.	59.5
63.1	Culvert		59.2
63.4		Overhead wires—ample clearance. Low hummocks lie about 200 metres from road on right.	58.9
64.4		Huts on right.	57.9
65.2		Km. 55 post. Hummocks approach close to road from left.	57.1

Kms.			*Kms.*
67.3	KOM AUSHIM (60537567)	Village on left. Road curves to left. Good view of FAIYUM Oasis suddenly appears.	55.0
68.6		Huts on right.	53.7
68.9	Crossroads	Police barrier followed by culvert. Turn right. End of tarmacadam, road is now dirt road 15–20 ft. wide. Road continues down tree-lined avenue.	53.4
69.2	Road Junction	Turn left. Small canals run along both sides of road.	53.1
70.2	Culvert		52.1
70.8		Huts in walled enclosure on left.	51.5
72.2		Patches of salt marsh lie along both sides of road.	50.1
72.6	Culvert		49.7
	Road Junction	Turn left.	
72.7		Small factory on left.	49.6
72.9	Bridge	Over canal. 20 ft. wide, 50 ft. long. Maximum load 10 tons.	49.4
73.2	Culvert		49.1
73.5		Huts on right.	48.8
73.8	Culvert		48.5
74.3		Village in palm grove on right. Overhead wires—ample clearance.	48.0
74.6	Culvert	12 ft. wide.	47.7
75.0	Fork Road	Take left fork.	47.3
	Culvert		
76.2		Overhead wires—ample clearance.	46.1
77.0		Small village on left.	45.3
79.2		Village on right.	43.1
81.0		Two isolated houses on right.	41.3
82.9	SINNURIS (60237460)	Town lies about 1 km. ahead.	39.4
	Road Junction	Turn left for KAFR MAHFUG. Road is 15 ft. wide.	
	Culvert	Overhead wires—ample clearance.	
83.1	Culverts	Series of culverts commences.	39.2

Kms.				*Kms.*
84.3	Bridge		20 ft. wide, 24 ft. long.	38.0
85.9			Wadi crossing. Road crosses wadi, a culvert, and then climbs again. Bare uncultivated ground on right.	36.4
86.6			Village on left. Road proceeds on low embankment.	35.7
87.9			Small village on right.	34.4
88.2	Bridge		Roadway 15 ft. wide, Length, 30 ft.	34.1
88.7	KAFR MAHFUG	(60637495)	Village.	33.6
	Level Crossing		Narrow gauge line.	
	Crossroads		Turn left at crossroads immediately following level crossing.	
88.8	Level Crossing		Cross over railway line and continue with railway on right. Canal on left.	33.5
89.9	Road Junction		Road left to KOM AUSHIM. Continue straight ahead.	32.4
93.1			Large isolated house on left. Flat uncultivated land on right filled by excavations.	29.2
94.3	TAMIYA	(61107521)	Store sheds and/or factory in walled enclosure at entrance to village.	28.0
94.6	Level Crossing		Overhead wires—ample clearance. Continue carefully through village. Road about 20 ft. wide.	27.7
95.5	Culvert		At end of village. Drop of 20 ft. on left.	26.8
95.6	Culvert		Overhead wires—ample clearance.	26.7
95.8	Forked Roads		Fork right over bridge, 30 ft. wide, 18 ft. long. Then left at fork immediately across bridge. Canal on left, slight drop to cultivation on right.	26.5
96.4			Dangerous turn left over bridge, 16 ft. wide, 16 ft. long. Then right. Canal now on right.	25.9

Kms.				*Kms.*
	Culvert			
97.6			Small rock outcrop on left.	24.7
99.3	Road Junction		Road to left.	23.0
100.3	Culvert			22.0
100.4			Bridge over canal on right Road now about 12 ft. wide.	21.9
101.4			Village about ½ km. to left.	20.9
103.0	Culvert		Canal runs on both sides of road.	19.3
103.3			Bridge on right.	19.0
104.1	Crossroads		Overhead wires—ample clearance.	18.2
105.6			Bridge to right.	16.7
106.5			Bridge to right.	15.8
107.0			Village on far side of canal on right.	15.3
107.4			Bridge to right.	14.9
108.0			Overhead wires—ample clearance. Small village on left.	14.3
108.9			Bridge to right.	13.4
109.1			Overhead wires—ample clearance.	13.2
109.2	Road Junction		Keep straight on. Road to right over bridge.	13.1
109.4	Bridge.		12 ft. wide, 33 ft. long. Load 5 tons. Tar-mac road begins, 15 ft. wide.	12.9
109.7		(62307490)	Ruins of PHILADELPHIA. End of cultivation. Flat-topped hills ½ km. or more from road on both sides. Flat sandy surface with excellent going between road and hills. Road is practically flat and straight.	12.6
113.5			Road climbs gentle gradient and then descends gradually to the NILE Valley. Country is practically flat on both sides.	8.8
115.6			MAIDUM Pyramid seen in distance on right.	6.7
119.6			End of tar-macadam road. Dirt road commences, 15 ft. wide. Cultivation starts. Road runs on slightly higher level and is rather winding.	2.7

Kms.			*Kms.*
120.4	Regulator	15 ft. wide, 110 ft. long.	1.9
120.5	Road Junction	Turn right.	1.8
120.7	Bridge	Turn left over bridge which is parallel to (temporarily) disused bascule bridge. Bridge is 12 ft. wide, 50 ft. long. Road curves very slightly to right, with low spoil bank on left.	1.6
122.3	Road Junction (63357467)	Junction with main CAIRO—ASYUT Road. (Route No. 30.)	0.0

Turning to KHATATBA (575843) to CAIRO Main Railway Station (639817)

(81.1 Kms. - 50.7 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 27 December 1942.

Start : At turning to KHATATBA, Km. 158.9, on Route No. 2.

Limiting Factors :

Minimum Road Width	20 ft.
Minimum Bridge Classification	30
Minimum Overhead Clearance	14 ft. 0 ins.
All Weather or Dry Weather Road ...	All Weather

GENERAL REMARKS

The road runs through desert as far as Km. 61.0, after which it runs through cultivation up to EL GIZA village. The remainder is through CAIRO.

The road is good for convoy work, and there are no narrow or difficult places in it. In CAIRO, traffic is liable to be very heavy, especially at certain times of the day.. There are also many pedestrians in EL GIZA.

DETAILED REPORT

Kms.			*Kms.*
0.0	(575843)	Macadam road, surface M, 20 ft. wide. Few firm patches, for isolated parking, but soft patches prohibit running off the road.	81.1
0.9	(575843)	Mines left and right for 80 yds.	80.2
1.8	(576842)	Firm desert with soft patches away to right and left, but pull off soft sand. Surface B.	79.3
4.0	(578841)	Desert soft both sides.	77.1
6.2	(580840)	Sides of road bad.	74.9
7.6	(581838)	Mines left and right.	73.5
9.3	(583838)	Few hard patches right, but pull off soft except in isolated places.	71.8
10.7	(584838)	Sides of road better, blind hill.	70.4
12.3	(585837)	2 ft. clay verge.	68.8

Kms.				*Kms.*
13.2		(586836)	Left and right rough.	67.9
14.1		(587836)	Stretch of soft sand, left and right.	67.0
16.0		(588835)	Desert firm left, but soft right. Pull off soft.	65.1
17.6		(590835)	Frontier District Administration Post.	63.5
18.1		(591834)	Soft sand left and right.	63.0
18.5		(591834)	Blind hill.	62.6
19.3		(591834)	End of clay verges.	61.8
20.6		(592833)	Desert firm left. Pull off bad.	60.5
21.1		(593832)	Blind hill.	60.0
24.1		(595830)	Soft left and right.	57.0
25.0		(596830)	Aerodrome right.	56.1
25.7		(596830)	Camp left.	55.4
25.8		(596829)	Camp right.	55.3
26.0		(596829)	End of camp left.	55.1
26.2	**Road Junction**	(597829)	Turning right to aerodrome.	54.9
26.4		(597829)	End of camp right.	54.7
27.1		(597829)	Camps left and right, short distance.	54.0
29.2		(598829)	Firm desert, left pull off soft.	51.9
29.5		(599827)	Firm desert, left pull off soft.	51.6
30.1		(600827)	Camp right.	51.0
30.9		(600827)	Desert patchy.	50.2
33.4		(602825)	Wireless Station left.	47.7
37.1		(605823)	Barbed wire fence parallels road left. Camp.	44.0
37.8 to 39.4		(605823) to (607821)	Turnings left into camp.	43.3 to 41.7
39.9		(607821)	End of barbed wire fence.	41.2
44.7		(612820)	Blind hill.	36.4
49.2		(616818)	Left side of road carpeted.	31.9
50.1		(617817)	Right side carpeted for 360 yds.	31.0
50.6		(617817)	Desert soft left and right. Road also carpeted right.	30.5
52.6		(619816)	Desert fair. Convoy park left.	28.5
53.3		(619815)	Turning left.	27.8
53.8		(620815)	End of convoy park left.	27.3
54.7	**Two Bridges (30)**	(620814)	For storm water. Both 16 ft. span, 20 ft. wide. Two 1 ft. footpaths, R.C. and brick. By-pass for heavier vehicles right.	26.4

Kms.				*Kms.*
55.0	Road Junction	(620814)	Turning left to CAIRO for light vehicles.	26.1
55.7		(621813)	End of carpeted surface. Surface M to B.	25.4
55.9		(621813)	Road enters pass through hills. What desert space available is soft.	25.2
56.4		(621813)	Left bend in road, 40 ft. wide.	24.7
56.6		(621813)	Camp area starts.	24.5
57.5		(622812)	End of pass and camp area.	23.6
57.7		(622812)	Wide bend left as above.	23.4
58.9		(623813)	Camp area starts. Turning left and right into camps. Road widens to 27 ft. Surface B.	22.2
52.6		(624813)	Footpath right, 5 ft. wide.	21.5
60.3		(624812)	Water point.	20.8
61.0		(625812)	Trees left for 80 yds.	20.1
62.1		(625811)	Plantation left to Km. 65.9.	19.0
65.1	Road Junction	(627809)	Roundabout. Turning right to MENA Camp and FAIYUM, (Route No. 31.) Road 40 ft. wide.	16.0
65.9	Road Junction	(628808)	T-junction. Turn left, level crossing, trams. Turning right to Pyramids. Double carriage-way, surface M to G. Each road 23 ft. wide. Trams in between. Road on a bank between cultivation.	15.2
67.2	Bridge (30)	(629809)	Over canal, R.C. and brick. Four span, 130 ft. total span, 120 ft. wide, including trams.	13.9
67.3	Road Junction	(629809)	Turning right to WASTA. Left to BIRQASH. (Route No. 33.)	13.8
72.1	Bridge (40)	(634814)	Bridge over canal. Two span, 70 ft. total span, 120 ft. wide, including trams. Two 3 ft. footpaths, R.C. and brick.	9.0
72.4	Bridge	(634811)	Railway over road. Three spans. Two for roads and one for trams, which is also used for vehicles. Clearance 14 ft.	8.0

Kms.				*Kms.*
72.8	Road Junction	(634811)	Turning right to WASTA. (Route No. 30. Left, Route No. 34.)	8.3
73.7	EL GIZA	(635811)		7.4
74.0		(635812)	Roundabout. Take second turning right. Road 70 ft. wide. Trams in centre.	7.1
74.7		(636812)	Bear left. Double carriageway, each 30 ft. wide.	6.4
75.8		(636813)	Trams cross to right of road. Single carriageway, 30 ft. wide.	5.3
76.8	Bridge (70)	(636814)	Roundabout. Keep right over bridge over branch Nile.	4.3
77.2		(636815)	Double carriageway.	3.9
77.7	Bridge (70)	(637815)	Roundabout. Keep straight on over bridge over Nile.	3.4
78.2	Road Junction	(637815)	Turning right. KASR EL NIL Barracks left.	2.9
78.6		(638815)	Roundabout. Take last turning right. Tramlines.	2.5
79.3		(637815)	Tramlines apart from road on left.	1.8
81.1		(639817)	Main Station square.	0.0

BIRQASH (620829) to MENA (629809)

(24.5 Kms. - 15.3 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 31 January 1943.

Start : Turning right of Route No. 2 at Km. 208.1, just before bridge.

Limiting Factors :

Minimum Road Width	...	...	9 ft.
Minimum Bridge Classification	...	...	12
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	Dry Weather

GENERAL REMARKS

The road runs through cultivated land on a bank and it is not possible to pull off the road in any part.

The road is watered, usually one half at a time, and the wheels on one side of the vehicle should be kept on the dry part to avoid skidding.

Traffic is very light and the only village of any size is NAHYA, where progress is held up due to pedestrians and animals.

The road runs on a bank throughout its length and while in most places this bank is wide, it is badly cut sometimes which greatly reduces the effective width of the road.

DETAILED REPORT

Kms.			*Kms.*
0.0	(620829)	Dirt road. Surface M, 16 ft. wide. Road on bank. Canal left.	24.5
0.3		Narrow spot, 9 ft. wide.	24.2
0.5		Narrow spot, 9 ft. wide.	
	Bridge (12)	Over canal. Nine span, each 9 ft. span, 15 ft. wide. Brick arch. Bridge over canal left. Road 15 ft. widening to 20 ft.	24.0

Kms.				*Kms.*
0.7			Sides of road cut some narrow spots, 10 ft. wide. Barbed wire fences at right angles to road.	23.8
1.2			Effective width 33 ft., but reduced to 16 ft. by being cut.	23.3
2.1			Narrow spot 10 ft. wide.	22.4
2.4			Bridge over canal left.	22.1
2.9			Banks not so badly cut. Drain right.	21.6
4.5		(622826)	Bridge over canal. Right to EL MANSURIYA. Bridge over canal left.	20.0
4.7			Banks cut to give width of road of 20 ft. for 300 yds.	19.8
6.6			Parking right for 100 yds.	17.9
6.9			Bridge over canal right. Road varies up to 60 ft. wide.	17.6
7.4		(626822)	Bridge over canal left to AUSIM.	17.1
7.9			Road 20 ft. wide, with grass verges for 300 yds., then as before.	16.6
8.2			Grass on verge left.	16.2
9.0			Bridge over canal left. Road 19–21 ft. wide for 300 yds.	15.5
9.5			Barbed wire fence at right angles to road.	15.0
9.8			Bridges over canals left and right. Barbed wire fence parallels road left.	14.7
11.9			Drain leaves road right.	12.6
12.3			Bridge over canal left. Narrow spot, 18 ft. wide.	12.2
13.1			Settlement right. Bridge over canal left. Narrow spot, 12 ft. wide. Road effective width 25 ft.	11.4
14.3			Parking space right.	10.2
15.9			End of parking space.	8.6
16.2	NAHYA	(627810)	Village right.	8.3
16.7			Bridge over canal left.	7.8
17.4			End of village. Minimum road width in village 12 ft.	7.1
18.1			Road, 30 ft. effective width.	6.4
18.5			Bridge over canal left. Level crossing, Decauville track. Turning right to KIRDASA.	6.0

Kms.			*Kms.*
		End of barbed wire fence left. Road, 25 ft. effective width.	
19.9		Parking right.	4.6
20.5		Barbed wire fence left.	4.0
21.8		End of parking.	2.7
21.9		Bridge over canal left. Road tree - lined. Effective width 22–25 ft.	2.6
24.5	(629809)	Join Route No. 32 at Km. 67.3.	0.0

ROAD JUNCTION (626830) - GIZA (634841)

(21.4 Kms. - 13.4 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : January 1943

Start : Route No. 2 at Km. 214.1, just before bridge over canal (626830). Turn right.

Limiting Factors :

Minimum Road Width	...	...	11 ft.
Minimum Bridge Classification	...	...	18
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	Dry Weather

GENERAL REMARKS

Except for built-up areas, restricted to the southern end of the route, the road runs through cultivated land throughout. Departure from the road is not therefore possible unless specifically stated in the text. The widths of road given are the most that can be used unless stated otherwise. The road is watered spasmodically, and when wet, care must be exercised to avoid skidding. The bridges over the canal which parallels the road left, are not suitable for loads of over 5 tons.

There are some small culverts under the road, but they are wide enough not to restrict traffic and strong enough to take the heavier vehicles.

The last 4 kms. of the road are part houses. The road is very narrow and progress is slow on account of pedestrians and people sitting on the road.

DETAILED REPORT

Kms.			*Kms.*
0.0	(626830)	Turn right off Route No. 2. Dirt road, 30 ft. wide, surface M–B.	21.4
0.2		Settlement left.	21.2
0.5		Level crossing, 13 ft. wide.	20.9
	Bridge (40)	Over canal. Regulator, 12 ft. span, 20 ft. wide. Brick arch.	

Kms.				*Kms.*
	Bridge (30)		Over canal. Regulator, 10 ft. span, 20 ft. wide. R.C. and brick. Canal left. Road 16–20 ft. wide, surface M. Railway over canal left.	
1.5			House left restricts road to 14 ft. Bridge over canal left.	19.9
1.7			Road 16–20 ft. wide.	19.7
4.1	Bridge (40)		Over canal. Regulator, 9 ft. span, 12 ft. wide. Brick arch.	17.3
	Crossroads	(628827)	Bridge over canal left. Turning left to EL QIR ATIYIN. Turning right to BURTUS. Station left.	
4.7	Bridge (40)		Over canal regulator. 3 ft. span, 15 ft. wide. Brick arch.	16.7
5.9			Bridge over canal left.	15.5
6.7			Wide place right for 150 yds. Canal right.	14.7
7.1		(631824)	Bridges over canals left and right. Station left, AUSIM. Road 12–16 ft. wide. Verges rough, 2–3 ft. wide each side.	14.3
8.5			Bridges over canals left and right.	12.9
9.3			Parking right for 200 yds.	12.1
9.7			Verges up to 10 ft. wide.	11.7
10.4			Bridges over canals left and right. Verges 2–3 ft. wide. Road 20–25 ft. wide.	11.0
11.1			Bridge over canal left.	10.3
	Bridge (40)		Over canal regulator (canal left joins canal right). 6 ft. span, 13 ft. wide. Brick arch.	
	Bridge (40)		Over canal regulator. 6 ft. span, 13 ft. wide. Brick arch.	
	Bridge (40)		Over canal regulator. 4 ft. span, 13 ft. wide. Brick arch.	
11.2			Road 21 ft. wide.	10.2
11.6			Bridge over canal left.	9.8
12.3			Plantation right.	9.1
12.6		(632820)	Bridge over canal left to BASATIL.	8.8
12.8			End of plantation right.	8.6

Kms.				*Kms.*
	Bridge (40)		Over canal regulator. 2 ft. span, 14 ft. wide. Brick arch.	
14.0	Bridge (40)		Over canal regulator. 8 ft. span, 20 ft. wide. Brick arch. Road 16–20 ft. wide.	7.4
14.3		(632818)	Bridge over canal left. Station left, IMBABA.	7.1
15.0	Bridge (40)		Over canal regulator. 4 ft. span, 12 ft. wide. Brick arch. Road 20–22 ft. wide.	6.4
16.2			Bridge over canal left. Some narrow 14 ft. places.	5.2
17.5	Bridge (18)		Over canal regulator. 8 ft. span, 12 ft. wide. Brick arch (brickwork exposed).	3.9
17.6		(633815)	Turning right to NAHYA.	3.8
18.0			Beginning of town. Bridge over canal left.	3.4
18.5		(634814)	Station, BULAQ EL DAKRUR left.	2.9
18.7	Bridge (40)		Over canal regulator. 3 ft. span, 10 ft. wide. Brick arch. End of town. Minimum road width in town 11 ft. Road 12–16 ft. wide.	2.7
19.2			Beginning of town. Many bridges over canal left, to end of route.	2.2
19.4	Bridge (40)		Over canal regulator. 3 ft. span, 12 ft. wide. Brick arch.	2.0
20.9	Bridge (40)		Over canal regulator. 10 ft. span, 20 ft. wide. Brick arch.	0.5
	Bridge (40)		Over canal regulator. 3 ft. span, 20 ft. wide. Brick arch.	
	Bridge (40)		Over canal regulator. 10 ft. span, 20 ft. wide. Brick arch. End of town. Road 18–25 ft. wide.	
21.4		(634811)	Join Route No. 32	0.0

Road Junction (747377) near EL DABA to ASYUT (634499)
(222.9 Kms. - 138.5 Miles)

Date of Recce. : 6 March 1943.

GENERAL REMARKS

This is an alternative down the WEST bank of the NILE, to the recommended route (Route No. 30) from QENA to ASYUT. At present, W.D. signposts erected at junctions, etc., direct traffic proceeding from QENA to CAIRO along this road. The alternative road along the EAST bank of the NILE is strongly recommended as being the more practicable.

The present road proceeds through cultivation for the whole distance and is a dirt road throughout, except for short tar-macadam stretches through some of the larger villages.

The whole length of the road is practically a defile, due to the usual causes of (a) running alongside irrigation channels ; (b) being built on an embankment above the level of the surrounding cultivation ; (c) high spoil banks lining the road on one side or another, or (d) the railway line running alongside the road.

Road Surface and Condition

The road has a dirt surface throughout, and the minimum width is only 7 ft. (at Km. 164.3). The road is in bad condition in places.

Curves and Gradients

Many of the curves through villages, etc., are blind, and too sharp to be used by trailers. The road is flat throughout.

Overhead Height Clearance

Although overhead wires cross the road at numerous points, clearance is ample.

Weight Limitation

All bridges and culverts, etc., are considered suitable for Class 18 traffic, but they are unclassified.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(747377)	Road veers away from railway and over a T-shaped regulator, 15 ft. wide. Road to CAIRO turns left half-way across bridge. (Route No. 30.)	222.9

Kms.				*Kms.*
0.2			Regulator. 12 ft. wide, 24 ft. long. Road then turns left parallel to river. Canal on right is tree-lined.	222.7
1.9	Road Junction		Road right over regulator. Beginning of village extending along both sides of canal.	221.0
2.4			Road passes Sheikh's Tomb at EL DABA. Road very narrow —10 ft. maximum—in village.	220.5
3.1			End of village.	219.8
3.4			Large cemetery and monastery on right, on the far side of the canal. Spur of hills comes down almost to canal.	219.5
4.3			Another village, with high wall on left topped by dovecots. Road is only 12 ft. wide here.	218.6
4.7			Very sharp bend to left, not suitable for trailers. Bridge to village on right at bend.	218.2
4.8			Right-angled bend around walled enclosure. Road passes through palm trees, etc.	218.1
7.4	Road Junction		Road right to village. Palm trees on left.	215.5
9.8	Culvert		Also road to right.	213.1
10.0			Telephone wires overhead. Not an obstacle.	212.9
10.6			Overhead telephone wires, followed by sharp turn.	212.3
13.4	NAG HAMMADI	(740372)	Level crossing, then turn sharp left along bridge crossing River NILE. The road is carried on projections from the railway bridge, one-way traffic running on either side of the railway line. Effective width of roadway is 8 ft. Another road to CAIRO continues down the right bank of the NILE from near NAG HAMMADI, *i.e.*, does not cross the river here, but at ASYUT Barrage.	209.5

Kms.			*Kms.*
14.2		Level crossing of railway line to sidings.	208.7
14.3	Crossroads	Turn right along 30 ft. dirt road.	208.6
14.8	Level Crossing	Decauville line.	208.1
15.1	NAG HAMMADI	Town. Road narrows to 20 ft. through town. Wharf on right. Town is difficult to traverse owing to pedestrians, animals and traffic.	207.8
16.7		Cross right over regulator, 12 ft. wide, 55 ft. long.	206.2
17.9		End of town except for scattered houses. Road now 20 ft. wide.	205.0
19.6	Level Crossing	Decauville track, just after regulator, 20 ft. wide, 65 ft. long (approx.). Road now runs on an embankment, 15 ft. wide, alongside canal.	203.3
20.7		Regulator, 12 ft. wide, 15 ft. long. Road runs along Decauville track past sugar-cane plantation on left, canal on right.	202.2
24.1	Level Crossing	Decauville track. Road narrows in places to an effective width of only 12 ft. between the railway on the left and canal on right.	198.8
26.7	Level Crossing	Decauville line, which no longer runs on left of road, having turned off right over canal. Road width now 15 ft. again.	196.2
28.7		T-road—take left. 20 ft. wide, with earth bank on left for one mile.	194.2
30.8	Bridge	Over canal on right.	192.1
31.2	Road Junction	Road to left followed by bank on left.	191.7
34.9		Village on left with overhead telephone wires—ample clearance. Flying ferry across canal on right.	188.0
36.5		Overhead wires—ample clearance.	186.4
37.6	Bridge	Over canal on right.	185.3

Kms.			*Kms.*
39.4	Culvert	Small village of reed huts on left.	183.5
42.8	Level Crossing (71953850)		180.1
43.1	Culvert		179.8
44.6		Village of mud huts on left. Overhead wires—ample clearance.	178.3
45.3	ABU SHUSHA (71743860) Station	On far side of canal, to right.	177.6
45.4		Regulator, 30 ft. wide, 90 ft. long, followed by bridge on right and road on left.	177.5
46.4	Culvert		176.5
46.7		Regulator, 30 ft. wide, 30 ft. long.	176.2
46.9		Regulator, 24 ft. wide, 120 ft. long, followed by overhead wires with an apparent clearance of about 15 ft.	176.0
47.3	Culvert		175.6
50.5		Regulator, 30 ft. wide, 45 ft. long, followed by road to right over canal.	172.4
51.8	Bridge	To right.	171.1
53.4		Village on left, after which bank on left ends. This bank has followed road intermittently for last 14 miles.	169.5
53.7	Crossroads		169.2
55.2		Village in palm grove to left. Electric pylons follow road for short distance on left.	167.7
57.3		Straggling reed huts on left.	165.6
59.1		Mud brick houses on left and scattered palm groves.	163.8
61.5	EL BALYANA (71423929)	Village with overhead street lights.	161.4
61.7	Crossroads		161.2
62.3		End of village and overhead lights. Low bank on left recommences.	160.6
65.5		Bridge to right, village on left.	157.4
67.9		Village on left.	155.0
68.6		Regulator, length 40 ft., width 30 ft.	154.3

Kms.				*Kms.*
69.5			Turn sharp left. Right turn leads over canal to GIRGA (70404040).	153.4
70.0			Regulator, 12 ft. wide, 25 ft. long, off centre with road. Stays for telephone poles cross road, but clearance is probably ample. Road widens to 20–30 ft. again immediately after regulator.	152.9
71.0	Bridge		12 ft. wide, 75 ft. long. Turn right after bridge. Small village follows, with width of road 15 ft.	151.9
71.3	Culvert		12 ft. wide, 6 ft. long. Turn right after crossing. Road now 20 ft. wide.	151.6
72.4			Small bridge leads right to village.	150.5
73.7			Village on left. Overhead wires with ample clearance.	149.2
75.0			Village on right. Road is only 12 ft. wide in places.	147.9
75.4			Turn left near end of village.	147.5
76.2			Overhead wires. Road is being repaired for next km.	146.7
77.4		(69704040)	Turn right at fork. Canal now runs on left. Cultivation on right. Road is 20 ft. wide.	145.5
79.7			Scattered clumps of palms. Road is 12 ft. wide where it passes through small village. Bank on right.	143.2
82.4			Bridge on right. Road crosses regulator, 9 ft. wide, 12 ft. long.	140.5
	Road Junction		Road comes in on right.	
88.2	EL DILWIRAT	(69224131)	Turn left, by-passing regulator.	134.7
	Road Junction		Village on right. Sharp bends for next 2 kms:	
90.3	Road Junction		Turn right. Road 20 ft. wide. Cultivation on either side at a lower level. Scattered clumps of palm trees around small villages.	132.6
94.1			Small bridge right, to village.	128.8

Kms.			*Kms.*
96.3		Overhead wires—ample clearance.	126.6
96.8		Clumps of palms and a few houses on left of road.	126.1
98.8	Culvert		124.1
99.8		Regulator, 60 ft. long, 8 ft. wide. Followed by road junction at which, turn left, then over regulator, 30 ft. long, 12 ft. wide.	123.1
100.4	EL SALA Village (68754210)		122.5
100.9		End of village. Overhead wires —ample clearance. Road now 20 ft. wide.	122.0
104.1	Village	Road narrows to 10 ft. at one point.	118.8
104.4		Regulator, 9 ft. wide, 15 ft. long. Railway now runs alongside road on right.	118.5
105.6	Road Junction	A road branches right. Continue straight along rough road on embankment, 30 ft. wide.	117.3
106.5		Regulator, 12 ft. wide, 27 ft. long, followed by bend to left at cross roads. Curve round to right, and then over.	116.4
107.0		Regulator, 12 ft. wide, 180 ft. long. Turn left.	115.9
107.2	Road Junction	Turn right over regulator, 12 ft. wide, 40 ft. long. Then over SOHAG Bridge (68424270) which has very bad surface. Continue straight on through narrow streets which are 20 ft. wide, but effective width is much less, due to stalls of merchandise, etc.	115.7
107.6		Turn left before reaching regulator.	115.3
108.0		Bear left at fork roads by large new block of red flats. The town of SOHAG is left at this point along a dirt road 15 to 20 ft. wide.	114.9

Kms.			*Kms.*
109.6		Thick grove of palm trees and village on left.	113.3
110.5		Overhead wires—ample clearance.	112.4
112.1		Houses coming on to road at right make carriageway very narrow.	110.8
113.2		A narrow, winding road, 10 ft. wide in places, through straggling village.	109.7
114.5		Road to right and end of village. Road is under repair and very bumpy.	108.4
114.9	Culvert	This section of the road, from SOHAG, follows a branch of the river which seems to be dry except during the flood season.	108.0
119.1		Village on left.	103.8
119.3		Bad S-bend, requiring careful driving.	103.6
120.1		Irrigation pump-house on right.	102.8
122.1		Village on left of road, which follows around the edge of the village. Sharp dangerous curves for ½ km. Road is only 10 ft. wide in places.	100.8
125.0		Palm groves and scattered houses on left. Cultivation at lower level on right.	97.9
126.6		Open country both sides.	96.3
127.4	Culvert	Road improves, and is now 20 ft. wide.	95.5
127.9		Village ½ km. on right.	95.0
128.4	Road Junction	Road to right.	94.5
130.6	Culvert		92.3
131.2		Overhead wires—ample clearance.	91.7
133.1		Overhead wires—ample clearance.	89.8
133.6	NAG AZZUZ (66554415) Crossroads	Keep straight on.	89.3
134.4		Road makes sharp hairpin bend over regulator, 12 ft. wide, 40 ft. long. The surrounding	88.5

Kms.			*Kms.*
		country is still open cultivation, with occasional clumps of trees. Road is always on an embankment.	
135.8		Small village on left of road.	87.1
136.6	Culvert		86.3
137.3		Overhead wires—ample clearance.	85.6
138.2	Road Junction	Road comes in on left. Series of bends.	84.7
139.5	Road Junction	Turn left over regulator, 15 ft. wide, 36 ft. long.	83.4
139.8		Road passes through village. Road is very winding and narrow Distance between buildings is not more than 10 ft. in places.	83.1
140.6		White building on right-hand side of road. Road narrows down to 12 ft. in parts .	82.3
142.6		Regulator, 12 ft. wide, 50 ft. long.	80.3
142.7	Crossroads	Keep straight on. Road widens again to 20 ft. Open country on either side.	80.0
143.2		Palm trees on left and some houses. Road narrows to 10 ft. in places.	79.7
145.0		Overhead wires—ample clearance.	77.9
146.5	Culvert	Embankment on which road is built is giving way in places.	76.4
147.8		Grove of palm trees and a few huts on left.	75.1
148.4		Overhead wires—ample clearance. Road drops to a width of only 8 ft. in places.	74.5
149.9	Road Junction	Near BENI HARB (65944545) Turn left.	73.2
150.0		Then curve right over regulator, 12 ft. wide, 40 ft. long, at entrance to village surrounded with palm trees. Village continues for about 2 kms. on right-hand side of road.	72.9

Kms.				*Kms.*
151.1			Sharp curves.	71.8
152.1			Village with narrow road through it. Followed by open country on right.	70.8
152.7			Palm trees on left Road rough.	70.2
153.5			Overhead wires—ample clearance. Road now 12 ft. wide.	69.4
155.9			Pump-house on right.	67.0
156.7	Culvert			66.2
	Road Junction		A road branches off to left. Village among trees on left	
157.4			Sharp curve to left.	65.5
158.2			Palm trees on left. Open cultivation on right.	64.7
159.5			Village and palm trees on left. Rough narrow road.	63.4
163.3			The canal following along at the left of the road for the last 8 kms. has now receded and the road is lined with trees at left.	59.6
164.3			Road only 7 ft. wide near scattered houses.	58.6
164.8			Road left to quarries in hills.	58.1
166.0		(64954632)	Road curves to right at signpost 'ASSIUT 56 kms.' For last 11 miles road has been very winding and narrow, and in bad repair. Road now 20 ft. wide, with telephone wires running parallel on right.	56.9
168.0			Road forms a short loop with overhead wires—ample clearance—crossing at both ends of loop.	54.9
168.6			Palm trees on left.	54.3
169.9			Regulator, 9 ft. wide, 100 ft. long.	53.0
170.6	Road Junction	(65334648)	Turn left.	52.3
171.7			Road very winding and passes through palm trees, etc.	51.2
172.6	EL BIRBA Village	(65244663)	Narrow roads with blind curves.	50.3
174.6	Level Crossing		Factory on left, then open country.	48.3

Kms.			*Kms.*
175.1		Village with road clearance of only 9 ft. between walls of buildings.	47.8
176.8		Overhead wires—ample clearance. Bad curves.	46.1
180.1	EL DIWEIR (65004730) Road Junction	Turn right around blind corner. Road now 20 ft. wide, and in better condition.	42.8
180.7		Regulator, 12 ft. wide, 24 ft. long.	42.2
180.9		Regulator, 12 ft. wide, 27 ft. long.	42.0
182.3		Regulator, 12 ft. wide, 24 ft. long ; then sharp turn on to and off level crossing. Continue through village of SIDFA (65274737). Minimum width of road in village about 15 ft.	40.6
183.3	Road Junction	Turn left.	39.6
183.9		Bridge over canal to right.	39.0
187.1		Village in grove of palm trees on left.	35.8
187.9		Overhead wires—ample clearance.	35.0
188.6		Village on right.	34.3
190.2	EL NIKHEILA (64904795) Road Junction	Keep straight on. Road on left leads into village.	32.7
191.3		End of village. Road continues along an embankment with palm trees on the right-hand side.	31.6
192.0		Factory on right, followed by a wall extending for ½ km.	30.9
192.4		Road curves left.	30.5
192.6		Police barrier.	30.3
193.4		Outskirts of ABU TIG (64654825). Roads through village require signposts.	29.5
194.2		Water tower on right.	28.7
194.7		Turn left in town.	28.2
195.0		Clock in village square.	27.9
195.4		Overhead wires—ample clearance.	27.5
196.2		End of village. Road runs along embankment 20 ft. wide.	26.7

Kms.				*Kms.*
196.8			Regulator, 15 ft. wide, 240 ft. long.	26.1
197.3			Houses and factory on right. Petrol tanks on left.	25.6
197.8	Road Junction		Road comes in on left.	25.1
198.2			Road is very winding. River NILE comes within 200 yds. of road on right, then recedes. Open cultivation on left.	24.7
200.7			Palm trees on left. Open country on right.	22.2
201.0	Culvert			21.9
202.1			Blind corner at entrance to village which lies along right-hand side of road.	20.8
202.4			Blind corner at exit from village.	20.5
204.7			Regulator, 12 ft. wide, 70 ft. long. Road then widens to about 30 ft.	18.2
205.7	Culvert		12 ft. wide.	17.2
206.1			Village on right. Road 15 ft. wide.	16.8
206.6	Road Junction		Road right to village. Overhead wires with ample clearance.	16.3
206.9	Culvert		12 ft. wide. Road itself is 20 ft. in this area. Surface of road is fair, bur road is very winding.	16.0
210.6			Village on right, skirted by narrow winding road. Minimum width 12 ft.	12.3
211.4	Culvert			11.5
211.9			Small village on right.	11.0
214.0	SHUTH Village	(63854945)	On left. Palms, which have followed along right of road for some distance, thin out.	8.9
214.2			Regulator, 12 ft. wide, 60 ft. long.	8.7
216.1			Regulator, 12 ft. wide, 12 ft. long.	6.8
216.6			Widening and straightening of embankment in progress.	6.3
218.5	Culvert		Followed immediately by regulator 50 ft. long, 12 ft. wide.	4.4

Kms.				*Kms.*
219.7			Regulator, 15 ft. wide, 60 ft. long ; followed by barrier at which mosquito control is exercised.	3.2
	Fork Roads		Take left fork.	
220.5	Level Crossing			2.4
220.8	Culvert			2.1
221.1	Fork Roads		Take right fork. Winding road, 15 ft. wide, along embankment.	1.8
221.8		(63304970)	First houses of ASYUT	1.1
221.9			Asphalt road begins.	1.0
222.4			Turn right.	0.5
222.9			Road passes under railway bridge in centre of town.	0.0

Alternative Route down SOLLUM ESCARPMENT via HALFAYA PASS (518376) to (528370)

(17.0 Kms. - 10.6 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 3 SOLLUM—TOBRUK.

Date of Recce. : 14 January 1943.

Start : From Route No. 1 at Km. 3.5 (518376). Turning right.

Limiting Factors :

Minimum Road Width	...	...	18 ft.
Minimum Bridge Classification	...	...	No Bridges
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	All Weather

GENERAL REMARKS

This route, while practicable, is not good owing to the bad surface. As there are two routes down the SOLLUM Escarpment which are better, this route should only be used if unavoidable.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(518376)	Turn Right from Route No. 1. Sand surface with stone bottoming in places. 18 ft. wide. Surface B–VB. Good firm desert each side.	17.0
8.0			Sandy mud surface.	9.0
12.4			Road turns left down HALFAYA Pass. Stone soling. Surface B.	4.6
15.0			Two hairpin bends right and left.	2.0
17.0	Road Junction	(528370)	Join Route No. 1 at Km. 18.5. Maximum gradient 1 in 5.	0.0

GROUP 4

Comprising all routes
beginning with 4

Section :

From Road Junction (591900) to KHATATBA (598850)

(54.9 Kms. - 34.3 Miles)

Maps : 1:250,000 Egypt and Cyrenaica—

Sheets 15 ALEXANDRIA.
16 CAIRO.

Date of Recce. :

Start : From Route No. 1, just before bridge over RAIYAH EL BEHEIRA Canal.

Limiting Factors :

Minimum Road Width	...	...	10 ft.
Minimum Bridge Classification	...	...	5
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	Dry Weather.

GENERAL REMARKS

The road runs through cultivated land throughout and it is not possible to leave the road except where stated. The road is kept watered and as it is so narrow, the whole width is watered at one time and care must be taken to avoid skidding.

Traffic is very light. On the recce. only one vehicle was encountered. There is a bus service, but only at long intervals.

Except for a few isolated pieces the road is narrow throughout and is very variable in width in places. The actual road itself is only the width of one vehicle, but the widths given include all the available space unless otherwise stated.

The ferries mentioned are only suitable for foot passengers and animals.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(591900)	With Route No. 1. Dirt road. Surface M. Some narrow places 10 ft. wide. Pull off in places brings available width up to 16 ft.	54.9
1.5		(591899)	Road runs along on top of a bank. Canal (RAIYAH EL BEHEIRA) left.	53.4
	Bridge (70)	(591899)	Culvert 18 in. span, 30 ft. wide. Average 14 ft. wide.	

Kms.				*Kms.*
			Road variable, sides of bank bad and steep. Culvert 1 ft. span, 19 ft. wide. Road 12 ft. wide and winding.	
1.7	Bridge (12)	(591899)	5 ft. span, 13 ft. wide. Brick arch. Small irrigation pipe under road.	53.2
2.1		(591898)	Road up to 19 ft. wide in places.	52.8
3.0		(591898)	Narrow place 11 ft. wide.	51.9
3.4		(591897)	Narrow place 11 ft. wide.	51.5
3.7		(591897)	Ferry over canal left. Road narrows to 12 ft. effective width.	51.2
4.5		(590896)	Bank in bad condition left.	50.4
4.7		(590896)	Wide place 25 ft. Road 14 ft.	50.2
5.2	Bridge (12)	(590896)	5 ft. span, 22 ft. wide. Brick.	49.7
	Road Junction		Turning right to MANIYA. Road 22 ft. wide.	
5.6		(590895)	Road 12 ft. wide with few 16 ft. places.	49.3
6.7		(590894)	Road 16 ft. wide. Possible pull off 3 ft. each side, not very good. Drain right.	48.2
7.3		(590894)	No pull offs.	47.6
7.9		(590893)	2–3 ft. pull offs left and right.	47.0
8.6		(590893)	Settlement right. Narrow places 10 ft. wide. Road 14 ft. wide.	46.3
11.6		(591890)	Narrow place 10 ft. wide. Bank bad left.	43.3
11.8	Bridge (5)	(591889)	Turn left. (Control) over canal. Five spans, total span 110 ft. Brick and masonry. Also movable steel span over lock. Road on bridge 15 ft. wide plus two 18 in. footpaths. Turn right. Narrow place 10 ft. wide. Road 25 ft. wide.	43.1
11.9	Bridge (40)	(591889)	Culvert 6 ft. span, 24 ft. wide. R.C. and brick. Road 19 ft. wide.	43.0
12.0	Bridge (5)	(591889)	Bridge (control) over canal. Brick three span, total span 45 ft., 13 ft. wide. Turn right. Few wide places up to 22 ft. wide.	42.9

Kms.				*Kms.*
12.3	Culvert (40)	(591889)	Small culvert 30 ft. wide. Road 15 ft.	42.6
12.9	ZAWYET EL BAHR	(591889)	Village left. Narrow places 11 ft. wide. Ferry over canal right. Bank bad right. Road effective width 12 ft.	42.0
14.5	WAQID	(592887)	Village ¾ mile right.	40.4
14.7	Culvert (40)	(592887)	Small culvert 30 ft. wide.	40.2
14.9		(592886)	Narrow places 10 ft. wide.	40.0
15.8	Culvert (40)	(592885)	Small culvert 30 ft. wide.	39.1
16.0		(592885)	Ferry over canal right.	38.9
16.3		(592885)	Road up to 16 ft. wide in places.	38.6
16.7	Culvert (40)	(593885)	Small culvert 30 ft. wide.	38.2
17.6	Culvert (40)	(593884)	Small culvert 30 ft. wide. Short wide place 16 ft.	37.3
18.2	Culvert (40)	(593883)	Small culvert 30 ft. wide.	36.7
18.5		(593883)	Effective width 16 ft.	36.4
19.6	KOM SHIRIK	(593882)	Village ¾ mile left.	35.3
20.3	Culvert (40)	(594882)	Small culvert 30 ft. wide. Road narrows to 12 ft. effective width with a few places up to 16 ft. wide.	34.6
21.1	EL TEIRIYA	(594880)	Village right. Road 16 ft. wide.	33.8
21.6	Culvert (40)	(594881)	Small culvert. Road level with surrounding land.	33.3
22.0		(594880)	Road rises on a bank.	32.9
22.5		(594880)	Bridge over canal right.	32.4
22.8		(594880)	Drain left for short distance. Road 18 ft. wide, widening to 20 ft.	32.1
23.5	Culvert (40)	(594879)	Small culvert.	31.4
25.1		(595878)	Narrow place 18 ft. wide.	29.8
25.8		(595877)	Narrow place 16 ft. wide.	29.1
26.7	ABU EL KHAWI	(596876)	Village. Road 16–18 ft. wide.	28.2
27.1		(596876)	Narrows to 13 ft.	27.8
27.4		(596876)	Effective width 22 ft.	27.5
27.8		(596875)	Narrows to 15 ft. Road on low bank.	27.1
28.5		(597874)	Effective width 22 ft.	26.4
28.7		(597874)	Narrow place 16 ft. Road 18 ft. wide.	26.2

Kms.				*Kms.*
29.2		(597873)	Narrow place. Road 16 ft. wide.	25.7
29.7		(597873)	Effective width 12 ft. A few places 18 ft. wide.	25.2
30.4		(597872)	Road 22 ft. wide. Drain left.	24.5
30.6		(597872)	Road turns right and then left. 11 ft. wide. High bank rises on left, canal right. Effective width 11–12 ft.	24.3
31.9	ALQAM	(597871)	Village 300 yds. left.	23.0
32.2		(597871)	Ferry over canal right. A few wide places 18 ft.	22.7
34.0	Culvert (40)	(597869)	Culvert 18 ft. wide. No bank on left. Some sharp bends. Road runs on a bank.	20.9
34.5		(597868)	Road 18 ft. wide.	20.4
34.7		(598968)	Road 12 ft. wide, few wider places.	20.2
36.0		(597866)	Ferry over canal right.	18.9
36.5		(597866)	Bank rises left for 100 yds.	18.4
36.8	Culvert (40)	(597865)	Culvert 30 ft. wide.	18.1
37.7		(597864)	Low bank left for 100 yds.	17.2
38.4		(597865)	Bank left for 50 yds. Wide part for 80 yds.	16.5
38.6	Culvert (40)	(597865)	Small culvert. Road 14–16 ft. wide, grass pull off left and right.	16.3
39.4	EL BIRIGAT	(597861)	Village. Bridge over canal right. Road 11–12 ft. wide.	15.5
44.5	Culvert (40)	(599860)	Culvert 30 ft. wide bank ends. Narrow places 10 ft. wide as far as km. 44.8	10.4
45.9	EL TARRANA	(599858)	Village.	9.0
46.2		(598858)	Ferry over canal right. Road 10 ft. wide.	8.7
46.5		(599857)	Road runs on bank. Pull off right and left 6 ft.	8.4
48.3		(598856)	Pull off 3 ft. in places.	6.6
49.2	Culvert (40)	(598855)	Small culvert 30 ft. wide.	5.7
49.9		(598855)	Narrow place 10 ft. wide due to water wheel left. Stone surface B, soft on right. Road 12 ft. wide.	5.0
51.2		(599853)	Dirt road 11–12 ft. wide.	3.7
51.9		(599852)	Stone surface B.	3.0

Kms.				Kms.
52.4		(599852)	Small culvert 30 ft. wide.	2.5
52.8	KHATATBA	(599852)	Village ½ mile left.	2.1
53.1	Culvert (40)	(599851)	Culvert 5 ft. span, 24 ft. wide. Dirt road. Surface M. Grass pull off right and left for 100 yds.	1.8
54.2	Road Junction	(599850)	Turn right. Turning left to KHATATBA village.	0.7
	Bridge (9)		Bridge over canal. Seven span, total span 145 ft., 11 ft. wide. Brick arches. Road 16 ft. wide.	
54.9		(598850)	Turn left for BARRAGE. Straight on to Route No. 2.	0.0

Section :

KHATATBA (597851)—BARRAGE (625830)

(41.6 Kms. - 26.0 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 25 November 1942.

Start : Km. 170.8 on Route No. 2. Crossroads to KHATATBA.

Limiting Factors :

Minimum Road Width	...	...	9 ft.
Minimum Bridge Classification	...	...	5
Minimum Overhead Clearance	...	...	
All Weather or Dry Weather Road		...	Dry Weather

GENERAL REMARKS

From the start for a few hundred yards the road is in desert, and after crossing the RAIYAH EL BEHEIRA it is through sparse cultivation.

The dirt road is watered and care should be taken to avoid skidding when it is wet. If the road is wide enough, only one side of the vehicle should be kept on the dry part of the road, if possible.

There is very little traffic on the road even of animals and pedestrians.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(597851)	Leave Route No. 2.	41.6
0.7	Bridge (12)	(597851)	Over drain. Three span steel girder on brick abutments and piers. Total span 57 ft., 9 ft. wide.	40.9
1.2		(597851)	Hummocky sand right, left fair.	40.4
1.9	Road Junction	(598850)	Turning right to KHATATBA Station. Level crossing. Turn left. Gravel road, surface M.	39.7
2.1		(598850)	Dirt road surface M.	39.5
2.3	Bridge (5)	(598850)	Over RAIYAH EL BEHEIRA Canal. Steel girders on steel piles. Two fixed spans 45 ft. each side. Centre swing span, 75 ft. span, 12 ft. wide. Turn	39.3

Kms.				*Kms.*
			right. Straight on to KAFR EL ZAIYAT (Route No. 40). Dirt road 11 ft. wide. Surface M. Canal and railway right.	
2.8		(598850)	Sand at sides too soft to run on.	38.8
3.0		(598850)	Road 15–18 ft. wide.	38.6
7.6		(598846)	Road 12–15 ft. wide.	34.0
13.9	WARDAN	(604842)	Station over canal right.	27.7
15.1		(605842)	Road 17–21 ft. wide.	26.5
17.0		(606840)	ABU GHALIB station over canal right.	24.6
21.6		(609838)	Eight level crossings over Decauville tracks to cotton storage left.	20.0
36.0	NIKLA	(620829)	Road 14–16 ft. wide. Village.	5.6
36.3		(620829)	Bridge over canal right.	5.3
41.6	Road Junction	(625830)	Macadam road. Join Route No. 2. Turn left.	0.0

Route Nos. 404A,
52,
54

BUSEILI (558958)—KAFR EL SHEIKH (609933)

(75.5 Kms. - 47.2 Miles)

Maps : 1:250,000 Egypt and Cyrenaica—
Sheets 15 ALEXANDRIA.
16 CAIRO.

Dates of Recce. : 9 January 1943.
10 January 1943.

Start : Turning right off Route No. 405, just before entering BUSEILI (558958).

Limiting Factors :

Minimum Road Width	...	...	8 ft.
Minimum Bridge Classification	...	...	5
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	Dry Weather

GENERAL REMARKS

The road runs through cultivated land throughout and it is not possible to pull off the road except where stated. There is usually a ditch or canal at the side of the road, but the wet cultivation is not firm enough to support a wheeled vehicle. As far as Km. 12.3 the road used at present is very winding, narrow and difficult to follow, but the bridge on the main road to IDFINA is being repaired and will improve this part of the route when it is completed.

The road is at present very rough in parts due to the recent rains, but will improve as the road gangs repair it.

DETAILED REPORT

Kms.				*Kms.*
0.0		(558958)	Turn right. Dirt road, surface B.	75.5
	Bridge		Effective width 14 ft. Bridge over drain. Four span, 90 ft. total span, 10 ft. wide. Steel girders on pipe piles. Pack.	
0.4			Effective width 14–20 ft. Drain left.	75.1
1.2			Short piece 12 ft. wide.	74.3
2.1	Bridge (9)		Road turns left over drain 30 ft. span, 15 ft. wide. Steel girder	73.4

Kms.				*Kms.*
			on brick. Decauville railway right. Effective width 10 ft.	
2.3			Level crossing over branch line to Decauville. Canal left, drain right.	73.2
3.9			Settlement. Turn right. 14 ft. effective width.	71.6
5.3	Culvert (40)		Small.	70.2
5.6	Culvert (40)		Turn left.	69.9
6.0			Settlement.	69.5
6.9	Culvert (40)			68.6
8.1	Culvert (40)		Turn left over culvert.	67.4
9.9	Bridge (9)		Over drain 10 ft. span, 15 ft. wide, including Decauville. Steel girder on brick.	65.5
10.2	GHABASHA	(564954)		65.3
10.9	Culvert (40)		3 ft. span, 20 ft. wide, including Decauville. Road 10–15 ft. effective width.	64.6
12.3	Bridge (70)		Old. Not now used and is bricked up. Level crossing main railway.	63.2
	Bridge (9)		Over drain. Three span, 60 ft. total span, 20 ft. wide. Steel girder and brick. Road 15–18 ft. wide.	
12.4			End of Decauville.	63.1
13.7			Road 20–25 ft. wide.	61.8
14.4			Trees left.	61.1
14.8	Bridge (40)		Over canal 12 ft. span, 25 ft. wide. R.C. and brick.	60.7
	IDFINA	(569954)		
	Road Junction		Turn right.	
	Bridge (5)		Turn left over bridge, 4 span, timber on brick. 45 ft. total span, 8 ft. wide. Road 12 ft. wide.	
15.1			River NILE. Turn right along river bank.	60.4
15.9	Bridge (9)	(569953)	Level crossing. Turn left over IDFINA bridge over NILE. Steel	59.6

Kms.				*Kms.*
			bowstring. Road carried on brackets on each side of railway. One way traffic. One fixed span one swing span. Two fixed spans.	
16.4			Turn right.	59.1
16.6	Bridge (40)		Over canal. Three span, 65 ft. total span, 20 ft. wide. Steel girder pipe piles. Canal right.	58.9
17.6	Culvert (40)		Small. Road 14–20 ft. effective width. Surface M. 10 ft. wide.	57.9
18.1			10 ft. wide.	57.4
19.7	SHAMSHIRA		Village right.	55.8
21.0			Width of road reduced to 9 ft. due to piles of mud from cleaning out canal.	54.5
22.4			Village right.	53.1
24.7			End of mud. Road 10–14 ft. wide.	50.8
25.0	Bridge (40)		Regulator, 6ft. span, 20 ft. wide. R.C. and brick.	50.5
26.6			Settlement. Minimum road width 9 ft.	48.9
28.5	FUWA	(572944)	Village right. Road 10–20 ft. wide.	47.0
29.8	Road Junction	(573944)	Right to FUWA.	45.7
30.7	Bridge (40)	(573944)	Over canal, 4 ft. span, 18 ft. wide. R.C. and brick. Settlement left.	44.8
31.7			Settlement. Minimum road width 9 ft.	43.8
32.4	QABRIT		Village ½ mile left.	42.4
33.1	Culvert (40)		3 ft. span, 18 ft. wide.	42.4
34.9	SALMIA		Village right.	49.6
35.9			Narrow spot 9 ft. wide.	39.6
37.7			Narrow spot 9 ft. wide.	37.8
38.4			Level crossing, light railway.	37.1
39.3	MAHALLET MALIK		Settlement.	36.2
39.5	Bridge (40)		Over canal. Two span, each span 9 ft., 20 ft. wide. Brick arch regulator.	36.0

Kms.				*Kms.*
40.3	Bridge (40)		Over canal. Two span, each span 6 ft., 18 ft. wide. Brick arch regulator. Settlement left.	35.2
40.5			Turn right.	35.0
	Bridge (40)		Over canal, 3 ft. span, 15 ft. wide. R.C. and brick.	
40.7			Level crossing, light railway. Turn left. Road winding.	34.8
41.2	Bridge (5)		Over canal. In two parts :— (1) Lift span over dock, 20 ft. span, 9 ft. wide. (2) Three fixed spans, each 10 ft., 11 ft. wide Brick arch. Road 23 ft. wide.	34.3
42.3			Settlement left.	33.2
42.6	Road Junction	(581936)	Turn left, right to DAMANHUR (Route No. 400).	32.9
	DISUQ		Railway right. Leave railway.	
43.3	Bridge (40)		Over light railway. 10 ft. span, 15 ft. wide.	32.2
	Bridge (40)		R.C. and brick. Bridge over canal. Two span, 60 ft. total span, 20 ft. wide. R.C. and brick Two 3 ft. footpaths. Road 14–20 ft. wide.	
44.2			Road 20 ft. effective width.	31.3
45.6	Bridge (40)		Over canal, 22 ft. span, 20 ft. wide. Two 1 ft. footpaths. R.C. and brick.	29.9
47.9	Bridge (40)		Over canal, 15 ft. span, 15 ft. wide. Two 2 ft. footpaths. R.C. and brick. Settlement. Road 20–25 ft.	27.6
48.3	Bridge (12)		Over drain, 10 ft. span, 30 ft. wide. Brick arch.	27.2
49.0	Bridge (12)		Over canal, 5 ft. span, 23 ft. wide. Brick arch regulator.	26.5
49.9	Bridge (40)		Over canal, 30 ft. span, 20 ft. wide. Two 2 ft. footpaths. R.C. and brick.	25.6

Kms.				*Kms.*
50.6	Culvert (40)		Over canal, 4 ft. diameter, 12 ft .wide Brick road 14–20 ft. wide.	24.9
51.6	Bridge (40)		Over canal, 30 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths.	23.9
51.8	ABYUQA	(589938)		23.7
52.0	Bridge (5)		Over canal, 30 ft. span, 10 ft. wide. Steel girder and brick.	23.5
53.7	Bridge (40)		Over canal, 30 ft. span, 20 ft. wide. R.C. and brick. Two 2 ft. footpaths.	21.8
54.4	Bridge (12)		Over canal, 5 ft. span, 14 ft. wide. Brick arch. Width reduced to 12 ft. by cut bank right. Road 20–25 ft. wide.	21.1
56.4	Bridge (40)		Over drain, 30 ft. span, 20 ft. wide. R.C. and brick. Two 2 ft. footpaths. Village minimum road width 15 ft.	19.1
56.7	Bridge (40)		Over canal, 24 ft. span, 20 ft. wide. R.C. and brick. Two 2 ft. footpaths.	18.8
57.4	Bridge (40)	(593941)	Over canal. Two span, 45 ft. total span, 23 ft. wide. Two 2 ft. footpaths. R.C. and brick.	18.1
	SHABA		Settlement.	
58.3	Bridge (40)		Over canal, Swing, steel. 110 ft. span, 20 ft. wide. Two 3 ft. footpaths. Road 18–25 ft. wide.	17.2
59.7	Bridge (5)		Over drain. Three span, 60 ft. total span, 9 ft. wide. Brick abutments. Pipe piles. Steel outer spans, centre spans timber. Bad condition.	15.8
63.8			Settlement.	11.7
64.1	Bridge (40)		Over drain, 20 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths. Fork right.	11.4
65.5	EL HAMRA	(602940)	Village right. Turn left.	10.0

Kms.				*Kms.*
66.1	Crossroads	(603940)	Turn right. Turning left to TIDA. Canal left. Road 14–20 ft. wide. Grass verges.	9.4
67.5	Bridge (12)		Over canal. 7 ft. span, 10 ft. wide. Brick regulator.	8.0
69.9	Bridge (9)		Turn left over canal. 40 ft. span, 20 ft. wide. Two 1 ft. footpaths. Canal away to right.	5.6
70.8			Village.	4.7
71.2			Level crossing, light railway.	4.3
	Culvert (40)		Steel pipe, 4 ft. diameter, 15 ft. wide. Light railway right. Road 10 ft. effective width due to railway right and poles left.	
72.8	Bridge (40)		Over drain. 40 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths.	2.7
74.3	Bridge (5)		Over canal, 28 ft. span, 13 ft. wide. Timber on brick.	1.2
75.2	Road Junction		Turn right. Turning left to SHALMA. Beginning of town. Surface B.	0.3
75.5	KAFR EL SHEIKH	(609933)	Join Route No. 502.	0.0

RAMLEH (518948)—ROSETTA (560965)

(54.6 Kms. - 34.1 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 15 ALEXANDRIA.

Date of Recce. : 20 December 1942.

Start : Crossroads on Route No. 1. Km. 526.7. Turn left (518948).

Limiting Factors :

Minimum Road Width ...	...	14 ft.
Minimum Bridge Classification ...	...	30
Minimum Overhead Clearance ...	...	
All Weather or Dry Weather Road	...	All Weather

GENERAL REMARKS

The road runs for the first part through cultivation as far as Km. 23, whereafter it runs through sandy or swampy land until reaching ROSETTA.

The pull offs are very variable, and where the railway parallels the road, are much restricted by the telegraph poles and their guy wires. It is not possible to leave the road except where stated in the text.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(518948)	Turn left off Route No. 1 at crossroads Km. 526.7. 40 ft. macadam road. Surface M. Small canal right. No pull off.	54.6
1.9	Crossroads	(520949)	Right back to Route No. 1. Left to RAMLEH. Canal crosses to left of road.	52.7
	Bridge (40)		Brick arch, 5 ft. span, 42 ft. wide. Two 4 ft. footpaths.	
4.2	Culvert (40)	(522950)	Small pipe. Palms right.	50.4
4.6		(522951)	Small settlement left.	50.0
5.1	Road Junction	(522951)	Turning left to MUNTAZAH Palace. Narrow place 14 ft. Road narrows to 20 ft. wide. Canal right. Pull off left and right 2 ft.	49.5

ms.				*Kms.*
6.0		(523951)	No pull off left. Pull off right bad.	48.6
6.2		(523952)	3 ft. pull off right. Left 2 ft. grass.	48.4
6.7		(523952)	No pull off left.	47.9
7.6		(524953)	Parking left for 200 yds. then 12 ft. pull off, grass. Railway joins road left.	47.0
8.3	Culvert	(524953)	Small pipe.	46.3
9.0	Road Junction	(525954)	Keep straight on. Left fork to ABU QIR.	45.6
	Bridge (40)		Leave railway. Over canal 27 ft. span, 18 ft. wide. R.C. and brick. Road 20 ft. wide. Surface M–G. Pull off left and right 2–3 ft.	
9.3		(525954)	No pull offs.	45.3
10.4		(526954)	Rejoin railway. Canal right. 1 ft. pull off left, 2–3 ft. right.	44.2
12.3		(527952)	Road turns right away from railway. Factory and canal left.	42.3
13.0	Bridge (30)	(527952)	Three span R.C. and brick. 72 ft. total span, 20 ft. wide. Two 18 in. footpaths. No pull off. Drain left and right.	41.6
13.4		(527952)	Rejoin railway. 2–3 ft. pull off right and left. Restricted left to 1 ft. by guywires to telegraph poles.	41.2
14.8		(527951)	Pull off 1–2 ft. left and right.	39.8
16.4		(530951)	2–3 ft. pull off right and left, 4 ft. between poles.	38.2
18.0	EL TARH	(532951)	Station and village. No pull off left or right.	36.6
18.1		(532951)	Pull offs as at Km. 16.4.	36.5
18.3		(532951)	Pull offs right 6–8 ft. Canal leaves road right.	36.3
20.8	LAKE IDKU	(534951)	Road and railway on causeway.	33.8
21.1		(534951)	End of causeway. Marshy ground right to Km. 21.6.	33.3
21.8		(535951)	Soft sand both sides of road.	32.8
22.2		(536951)	Road crosses to left of railway and narrows to 16 ft. wide.	32.4

Kms.				*Kms.*
22.5		(536951)	Station and village. Parking right for 250 yds.	32.1
23.1	Bridge (40)	(537951)	Over lake outlet. Three span, R.C., 160 ft. total span, 20 ft. wide. Two 18 in. footpaths. Pull off left and right 2–3 ft. Swampy ground left.	31.5
23.4		(537951)	6 ft. pull off right, between poles.	31.2
24.5		(538951)	Pull off 0–3 ft. left and right.	30.1
25.9		(540951)	Soft sand both sides to Km. 27.3	28.7
28.2		(542951)	Aerodrome left.	26.4
28.9		(542951)	Level crossing over siding. Rough pull off right 8–10 ft. Left 3 ft. wide.	25.7
30.0		(543952)	3 ft. pull off right.	24.6
30.8		(544952)	Pull off right up to 10 ft. in places. Left 3–4 ft.	23.8
32.1		(545953)	Pull off right limited to 3 ft. wide by telegraph poles. Still 10 ft. wide between poles.	22.5
32.4		(546953)	End of aerodrome.	22.2
33.1		(546953)	Pull off limited to 5 ft. maximum by ditch. Soft sand left.	21.5
34.3		(547954)	Large flat sandy area left suitable for parking if dry.	20.3
34.5		(548954)	Pull off left 4 ft.	20.1
35.6	IDKU	(549954)		19.0
36.1		(549954)	End of houses. Minimum road width in town 15 ft. Much impeded by pedestrians and animals. Swampy ground left and right.	18.5
36.6		(549954)	Road crosses to right of railway. Pull off 2–4 ft. left and right.	18.0
37.5		(550955)	Pull off right up to 15 ft. wide but rough.	17.1
38.9		(551955)	Pull off right 3–4 ft.	15.7
40.2		(553955)	Large drain right.	14.4
41.6		(554956)	No pull off left.	13.0
41.7		(554956)	Pull off left 3 ft.	12.9
43.0		(555956)	Pull off left 2–3 ft.	11.6
43.5		(556956)	No pull off right, left bad.	11.1
44.7		(557957)	Bridge over drain right.	9.9
45.3		(557957)	Pull off right rough, 0–8 ft. wide due to bank being cut away.	9.3

Kms.				*Kms.*
46.3	BUSEILI Road Junction	(558958)	Turning right to DAMANHUR and IDFINA. Route No. 404A.	8.3
46.7		(559959)	Level crossing over branch railway. Main line to ROSETTA left.	7.9
47.4		(559960)	Ample parking right to Km. 49.7 but pull offs very soft.	7.2
49.8	Bridge (40)	(560961)	Over canal. R.C. and brick, 50 ft. span, 16 ft. wide. Canal left. Pull off left 2–4 ft., right 2–3 ft.	4.8
51.6	Culvert (40)	(559963)	Small pipe.	3.0
52.1		(559963)	Pull off right 10 ft. for 100 yds.	2.5
52.5		(559964)	NO pull off.	2.1
53.2		(560964)	Parking under palm trees left and right but sand rather soft.	1.4
54.1		(560965)	Scattered buildings.	0.5
54.6	ROSETTA	(560965)		0.0

Road Junction ROUTE 1, Km. 501.0 (499934) to AMIRIYA CROSSROADS (499925) ROUTE 2, Km. 34.1

(10.5 Kms. - 6.6 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 15 ALEXANDRIA.

Date of Recce. : 9 January 1943.

Start : Back turning right to AMIRIYA on Route No. 1 at Km. 501.0 (499934).

Limiting Factors :

Minimum Road Width	...	...	20 ft.
Minimum Bridge Classification	...	...	No bridges
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	All Weather

GENERAL REMARKS

The road runs through desert and sparse cultivation except where it crosses LAKE MARYUT, where it runs on a causeway.

DETAILED REPORT

0.0	Road Junction	(499934)	Leave Route No. 1. Road 20 ft. wide. Macadam surface M. Winding steep hill.	10.5
0.2			Road in cutting. Total available width 24 ft.	10.3
0.4			End of cutting.	10.1
0.5			Parking left and right. Pull off 5–6 ft.	10.0
0.7			Very bad pot holes in road for 100 yds.	9.8
1.6			Pull off left 10 ft.	8.9
2.1			Pull off left and right, variable to Km. 3.3.	8.4
3.3			Pull off left and right 4–5 ft.	7.2
4.8			Mines left and right.	5.7
4.9			End of mines.	5.6
5.1			Road on causeway over lake. Pull off left and right 3 ft.	5.4
	Road Junction	(497930)	Back turning right to MATRUH.	
5.8			End of causeway.	4.7

Kms.				*Kms.*
6.2			Mines right	4.3
6.3			Road on causeway over lake.	4.3
8.5			End of causeway.	2.0
9.5	Road Junction	(498926)	Turning left to ALEXANDRIA. (Route No. 421.)	1.0
10.5	Crossroads	(499925)	Left to ALEXANDRIA, straight on to CAIRO. Right to BURG EL ARAB. (Route No. 2.)	0.0

Route to ALEXANDRIA from ROUTE No. 2
Using Railway Causeway across LAKE MARYUT
(499925 to 508941)
(21.4 Kms. - 13 Miles)

Date of Recce. : 10 January 1943.

Start : AMIRIYA Crossroads, Route No. 2 at Km. 34.1 (499925). Turn left.

Limiting Factors :

Minimum Road Width	...	...	10 ft.
Minimum Bridge Classification	...	...	70
Minimum Overhead Clearance	...	...	16 ft. 6 ins.
All Weather or Dry Weather Road		...	

GENERAL REMARKS

The road runs through sparse cultivation as far as the causeway over LAKE MARYUT, thence through town suburban area.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(499925)	Macadam road 20 ft. wide. Surface M. Pull off 4 ft. left and right.	21.4
1.0	Road Junction	(498926)	Turn right. Straight on to MEX (Route No. 420).	20.4
1.3			Mines left and right for 100 yds.	20.1
1.7			Desert hilly and rough but could be used for parking.	19.7
2.7			Mines left and right.	18.7
3.1			End of mines.	18.3
4.0	Road Junction		Turning right to AMIRIYA camps.	17.4
4.3			Cultivation.	17.1
4.5			Trees right.	16.9
7.1			Few houses right.	14.3
8.3			British Cemetery AMIRIYA right.	13.1
10.6	Road Junction	(506932)	Turn left. Straight on to SIDI GABER (Route No. 423). End of cultivation.	10.8
11.5			Beginning of causeway.	9.9

Kms.			*Kms.*
12.2		Railway joins road right. Pull offs 5 ft.	9.2
15.8		End of causeway.	5.6
16.0	Road Junction (505937)	Fork right. Left to DEKHEILA.	5.4
16.2		Level crossing.	5.2
	Bridge (70)	Over drain. Three span, 190 ft. total span. 10 ft. wide. 16 ft. 6 ins. overhead clearance. Steel on brick. Pull offs 0–3 ft.	
17.2		Level crossing, bear right.	4.2
18.8		Sharp bend. Houses begin.	2.6
19.0		15 ft. pull off left and right.	2.4
19.5		End of pull off.	1.9
19.7		Level crossing, 12 ft. wide.	1.7
20.0		Two level crossings. Pull off left and right.	1.4
20.4		Level crossing. Road cobbled 35 ft. wide.	1.0
20.6		End of pull offs.	0.8
20.7		Macadam surface, 70 ft wide.	0.7
21.1	Road Junction	T Junction. Turn left.	0.3
21.4	Road Junction (508941)	Join Route No. 1 at Km. 513.5	0.0

ALTERNATIVE ROUTE THROUGH ALEXANDRIA FOR ROUTE No. 1
(509942) to (519946)
(14.7 Kms. - 9.2 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 15 ALEXANDRIA.

Date of Recce. : 11 January 1943.

Start : Route No. 1, Km. 514.0, just over bridge over Mahmudiya Canal (509941).

Limiting Factors :

Minimum Road Width	...	...	12 ft.
Minimum Bridge Classification	...	...	20
Minimum Overhead Clearance	...	...	13 ft.
All Weather or Dry Weather Road		...	All Weather

GENERAL REMARKS

This route, while it avoids the centre of ALEXANDRIA, is not so suitable as the main route for much traffic, as it is narrow and winding in places. It is, however, 1.4 kms. shorter.

It passes through built-up areas throughout the greater part of its length, and the MAHMUDIYA Canal parallels the road right.

DETAILED REPORT

Kms.			*Kms.*
0.0	Road Junction (509942)	Cobbled road 33 ft. wide Surface M—B.	14.7
0.3		Turn right, surface B.	14.4
1.0		Narrow place 12 ft wide. Road 20 ft. wide.	13.7
1.4		Road 40–60 ft. wide. Railway lines on road.	13.3
2.3		Trams away to left.	12.4
2.8		Grain elevator over road. Overhead clearance 18 ft.	11.9
3.0		Level crossing, trams. Road 20–25 ft. wide. Macadam surface.	11.7
3.8		Road 20 ft. wide.	10.9

Kms.			*Kms.*
5.1		Sharp S-bend left. Right, keep right.	9.6
5.4		Bridge (blocked up) 16 ft. wide.	9.3
6.6		Bridge over road. 20 ft. overhead clearance.	8.1
11.2		Railway over road. 25 ft. wide, 13 ft. overhead clearance.	3.5
11.5		Fork right in village.	3.2
12.1	Culvert (40)	Small	2.6
13.1	Bridge (20)	Over canal, regulator, two span, each 3 ft. span, 12 ft. wide. Brick arch.	1.6
13.3	Culvert (40)	Small	1.4
14.7	Road Junction (519946)	Rejoin Route No. 1 at Km. 530.1.	0.0

ALTERNATIVE ROUTE ACROSS LAKE MARYUT from ROUTE No. 421 (506932) to (514944)

(17.6 Kms. - 11.0 Miles)

Date of Recce. : 17 January 1943.

Start : Route No. 421. Road Junction Km. 10.6. Keep straight on (506932)

Limiting Factors

Minimum Road Width	10 ft.
Minimum Bridge Classification	30 ft.
Minimum Overhead Clearance	U
All Weather or Dry Weather Road ...	All Weather.

GENERAL REMARKS

After leaving desert the road runs over a causeway for 10 kms. It then skirts the aerodrome and joins Route No. 422 at Km. 9.3.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(506932)	Macadam road. Surface M. Pull off 4–6 ft. left and right.	17.6
0.3			Mines right for 100 yds.	17.3
0.7			Level crossing. Road rolled stone only with dirt surface, 20 ft. wide. Total effective width 33 ft. Surface B.	16.9
2.6			Beginning of causeway.	15.0
5.0	Bridge (40)		Over drain. Three span. 130 ft. total span. 25ft. wide. Two 3 ft. footpaths. R.C. and brick. Soling not placed.	12.6
5.4			Rolled stone soling.	12.2
8.5			Rolled in brick on top of stone soling.	9.1
9.3	Bridge (40)		Over drain. 20 ft. span, 25 ft. wide. Two 3 ft. footpaths. R.C. and brick.	8.3
12.3		(514941)	End of causeway. Turn left. Dirt road. Surface B. Aerodrome right.	5.3
14.0			Turn left.	3.6

Kms.				*Kms.*
14.2			Turn right.	3.4
14.5			Railway left.	3.1
15.4			Macadam road. 20 ft. wide. No pull off. Surface M.	2.2
15.7			Keep right.	1.9
16.1	Road Junction		Turn left. Turning right to Aerodrome.	1.5
16.4		(515943)	Level crossing. Road width reduced to 10 ft., drive piles of dirt.	1.2
16.6	Road Junction		Turn left. Macadam road. 25 ft. wide, MAHMUDIYA canal right.	1.0
17.6	Bridge (40)	(514944)	Road turns right over bridge over canal. Steel swing on brick, 280 ft. span, 20 ft. wide.	0.0
	Road Junction		Decking bad. Join Route No. 422 at Km. 9.3.	

GROUP 5

Comprising all routes
beginning with 5

Section :
MAHALLA EL KUBRA (631918)—ZIFTA (638890) via SUMBAT (635899)

(31.1 Kms. - 19.4 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 13 December 1942.

Start : Route 502, west side of bridge over ABU WAFI Canal, Km. 31.0.

Limiting Factors :

Minimum Road Width	... 9 ft.
Minimum Bridge Classification ...	... 9
Minimum Overhead Clearance ...	... U
All Weather or Dry Weather Road	... Dry Weather

GENERAL REMARKS

The road runs through cultivated land throughout and it is not possible to pull off the road except where mentioned in the text.

The way out from MAHALLA EL KUBRA is particularly bad on account of the crowds of pedestrians and animals, but apart from this there is very little traffic on the road. There is a bus service, although it is infrequent.

The greater part of the road is only 14-16 ft. wide, and passing other vehicles causes some delay.

The road is watered throughout, usually the whole width at once, and care must be exercised to avoid skidding on the wet patches.

DETAILED REPORT

Kms.				*Kms.*
0.0	MAHALLA EL KUBRA	(631918)	Leave Route No. 502. Follow road along side of big canal left. Macadam road. Surface M. 25 ft. wide.	31.1
0.3	Bridge (40)	(630917)	Over canal, 30 ft. span, 25 ft. wide. Regulator, R.C. and brick. After crossing bridge keep straight on.	30.8
0.7		(630917)	Level crossing. Dirt road Surface B. Actual road 16–18 ft. wide but many pedestrians and	30.4

Kms.				*Kms.*
			animals. Useful width 8–9 ft. due to goods along the side of the road.	
1.2		(631917)	Road 10–14 ft. wide.	29.9
1.6		(631916)	End of town. Road 20–25 ft. wide.	29.5
2.1		(631916)	Road 20 ft. wide.	29.0
2.6	Bridge (40)	(631915)	Bridge over canal. Two fixed side spans, centre swing span. Total span 230 ft. 16 ft. wide. Side span 70 ft. each. Two 2 ft. footpaths. Road 20 ft. wide.	28.5
3.3	Culverts (40)	(631914)	Two small culverts 12 ft. wide.	27.8
4.5		(631913)	Road 20–23 ft. wide.	26.6
5.0	Bridge (30)	(632913)	Bridge over drain, 20 ft. span, 35 ft. wide. Two 1 ft. footpaths. R.C. and brick.	26.1
5.5	Culvert (40)		25 ft. wide.	25.6
	Bridge (40)		Bridge over canal 6 ft. span, 20 ft. wide. R.C. skew.	
7.6	SHUBRA BABIL	(633910)	Village right. Orange grove left.	23.5
8.7	Bridge (9)	(633909)	Bridge over canal 10 ft. span, 12 ft. wide. Brick arch. Road 16–18 ft. wide.	22.4
10.7	Bridge (9)	(633907)	Bridge over canal 10 ft. span, 12 ft. wide. Brick arch. Road 15 ft. wide.	20.4
11.1		(634907)	Plantation left.	20.0
11.2	Culvert (40)	(634907)	Culvert 12 ft. wide. Road 16 ft. wide.	19.9
12.5	MIT HASHIM	(634906)	Village left.	18.6
	Bridge (9)		Over canal 7 ft. span, 13 ft. wide. Brick arch.	
12.6		(634906)	Road reduced to 12 ft. wide by spoil from irrigation ditches on sides right and left.	18.5
13.7	Culvert (40)	(634904)	Culvert 20 ft. wide.	17.5
14.2	EL AZIZIYA	(634904)	Road turns left through village. Minimum road width, 12 ft.	16.9
14.7	Road Junction	(634904)	Turn right. Straight on to SAMANNUD.	16.4

Kms.				*Kms.*
14.9		(634903)	Road 14–16 ft. wide. Canal and light railway left.	16.2
15.9		(634902)	Footbridge over canal left.	15.2
16.1		(634902)	Road 15 ft. wide.	15.0
16.8	Culvert (40)	(634901)	Small. Footbridge over canal left.	14.3
17.1		(634901)	Narrow spot 13 ft. wide.	14.0
18.0	Culvert (40)	(635900)	25 ft. wide. Road 16 ft. effective width.	13.1
18.9	SUMBAT	(635899)	Village right. Road 11 ft. minimum width.	12.2
19.2		(635899)	Orange grove right. Road 14–16 ft. wide.	11.9
19.9	Culvert (40)	(635898)	25 ft. wide. Road 14 ft. with pull off 4 ft. left.	11.2
20.6	Culvert (40)	(635897)	20 ft. wide. Road 16–18 ft. effective width.	10.5
21.3		(635897)	Narrow spot 9 ft. wide. 5 ft. pull off left.	9.8
21.8		(635896)	End of pull off.	9.3
22.1		(635896)	Pull off for 100 yds. left.	9.0
22.3		(635895)	Pull off for 100 yds. left.	8.8
23.4		(635895)	Bridge over canal left to HANUT. R.C. and brick. Road 20 ft. effective width.	7.7
24.0		(635894)	Pull off left 3–4 ft. wide.	7.1
24.4		(635894)	Bridge over canal left. Village right. Minimum road width 12 ft. Road 13 ft. wide.	6.7
25.1		(635893)	Road turns left. Big canal (EL RAIYEH EL ABBAS) right. Road 20 ft. wide. Pull off 10 ft. left but only suitable for parking.	6.0
27.2		(636892)	Pull off 6 ft.	3.9
27.9		(637892)	End of pull off. Level crossing light railway. Road 16–18 ft. wide.	3.2
28.4	Road Junction Bridge (9)	(637892)	Turn right over bridge (regulator) Bridge in two parts :— (1) Four span stone arch. Total span 95 ft., 10 ft. wide. (2) Lift bridge over lock. Steel, 30 ft. span, 20 ft. wide.	2.7

Kms.				*Kms.*
28.5	Bridge (9)	(637892)	Bridge (regulator), four span, brick and stone arch. 90 ft. total span, 20 ft. wide.	2.6
	Road Junction		Turn right. Road 23 ft. effective width.	
29.4		(638891)	Level crossing, light railway. Turn left. Road 20 ft. wide. Light railway left. Canal right.	1.7
30.2		(638891)	Road 15 ft. wide.	0.9
31.0		(638890)	Road 20 ft. wide.	0.1
31.1	ZIFTA	(638890)	Level crossing.	0.0

Section :

ZIFTA (639890)—MIT BIRA (635871)—BENHA (631864)

(30.7 Kms. - 19.2 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 3 December 1942.

Start : East side of Railway Bridge over NILE at ZIFTA (639890).

Limiting Factors :

Minimum Road Width	...	...	9 ft.
Minimum Bridge Classification	...	...	40
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	Dry Weather

GENERAL REMARKS

The road runs through cultivated land throughout. It is an average width of 4 metres (13 ft.) but this varies as shown. The surface is M to G. There are no big villages on the road itself and traffic throughout is light, but on account of the narrowness of road, there is delay in passing other vehicles.

The dirt road is watered and the whole width is watered together. Therefore care must be taken to avoid skidding.

Most of the bridges over the canal which parallels the road to the left are only suitable for very light vehicles.

DETAILED REPORT

Kms.				*Kms.*
0.0		(639890)	Leave bridge, railway right. Surface macadam G.	30.7
0.2		(639890)	Level crossing. Bear right. Stone soling not yet (3.12.42) grouted, 23 ft. wide. Surface M to B.	30.5
0.5		(638890)	Station right.	30.2
0.6	Bridge (30)	(638890)	Bridge over light railway. R.C. and brick. 15 ft. span, 20 ft. wide. Two 3 ft. footpaths.	30.1
	Road Junction		Turn left. Right, Route No. 50 to MAHALLA EL KUBRA.	
1.1		(638890)	Piles of stone reduce width to 12 ft.	29.6

Kms.				*Kms.*
1.5		(638890)	Level crossing over light railway.	29.2
1.6		(638889)	Turn right. Road 20 ft. wide.	29.1
1.8		(638889)	Level crossing, light railway.	28.9
2.1		(638889)	Grouted.	28.6
3.1		(637889)	Level crossing.	27.6
	Bridge (70)		Over canal. R.C. and brick. 13 ft. span, 19 ft. wide.	
	Road Junction		Turn left, straight on to TANTA (Route No. 1). Canal and railway parallel road left.	
3.4	Bridge (40)	(637889)	R.C. and brick. 4 ft. span, 35 ft. wide.	27.3
4.0	Crossroads	(637888)	Turn left to ZIFTA, right to DAMANHUR EL WAHSH. (Route No. 500.) Bridge over canal left. Level crossing, light railway.	26.7
4.1		(637888)	Road 12 ft. wide. Surface M to G.	26.6
	Culvert (40)		Small, 16 ft. wide.	
4.5		(638888)	Piece of road, 10 ft. wide. Drain under railway, canal left and road. Small culvert. Footbridge over canal left.	26.2
5.6	Bridge (40)	(638887)	Brick. 4 ft. span, 19 ft. wide. Effective width of road 19 ft. Footbridge over canal left.	25.1
5.9	Culvert (40)	(638887)	30 ft. wide. Small station left SANDABAST. Road 14 ft. wide.	24.8
6.1		(638887)	Footbridge over canal left.	24.6
6.6		(639887)	Road 16 ft. wide.	24.1
6.9	Culvert (40)	(639887)	Small culvert.	23.8
7.2	Culvert (40)	(639886)	Small culvert, 12 ft. wide.	23.5
7.4	Culvert (40)	(639885)	Small culvert.	23.3
7.5	Culvert (40)	(639885)	Small culvert, 11 ft. wide. Road 13 ft. wide. A few places 16 ft. wide.	23.2
7.7	Culvert (40)	(639885)	Culvert, 13 ft. wide.	23.0
8.2	Culvert (40)	(639885)	Culvert, 12 ft. wide.	22.5

Kms.				*Kms.*
8.7	Road Junction	(639884)	Station. Turning left to GHURAIYIB. Two small culverts. Road 12 ft. effective width.	22.0
	Culverts (40)			
9.0	Road Junction	(639884)	Turning right to FARSIS.	21.7
9.1		(639884)	Narrow place 9 ft. wide.	21.6
9.6		(639884)	Road 23 ft. wide., 100 yds.	21.1
10.1		(639883)	Small settlement right. Road minimum width 10 ft.	20.6
	Culverts (40)		Two small culverts.	
10.6		(639883)	Small settlement.	20.1
11.2	Culvert (40)	(639882)	Small culvert.	19.5
	SAAD ZAGHLOUL		Station.	
12.2	Road Junction	(639881)	Turning left to MASGID WASIF.	18.5
12.7		(638880)	Small settlement right.	18.0
13.2	Culvert (40)	(638880)	Small culvert. Some wide places up to 16 ft.	17.5
13.8	Culvert (40)	(638879)	Small culvert.	16.9
	Bridge (40)		Bridge, R.C. and brick, over canal.	
14.2	Road Junction	(638879)	Left to MIT EL HARUN.	16.5
	Culvert (40)		Small culvert.	
14.9		(638878)	Footbridge over canal left. Road 13 ft. wide.	15.8
15.4	Culvert (40)	(638878)	Small culvert.	15.3
15.7		(638877)	Footbridge over canal left.	15.0
15.8		(638877)	Effective width 16 ft.	14.9
16.0		(638877)	Small settlement. Road 12 ft. wide.	14.7
16.2		(638877)	Road widens to 16 ft.	14.5
16.6	Road Junction	(638876)	Footbridge over canal left. Turning left to TAFAHNA EL AZAB.	14.1
17.0	Culvert (40)	(638876)		13.7
17.1		(638876)	Road 12 ft. wide. Pull off left 4 ft. onto grass verge.	13.6
17.8	Culvert (40)	(638875)	Culvert 12 ft. Road 12 ft. wide. No pull off. Orange grove right.	12.9
18.1		(637875)	Footbridge over canal left.	12.6

Kms.				*Kms.*
18.4		(637874)	Orange grove right. Road 15 ft. wide.	12.3
18.7		(637874)	Footbridge over canal left.	12.0
19.1	Culvert (40)	(637874)	Road 12 ft. wide. Culvert 12 ft. wide. 3 ft. pull off left for short distance. Station left.	11.6
20.7	Bridge (40)	(637872)	Bridge over canal left. 5 ft. span, 27 ft. wide. Brick.	10.0
21.0		(636872)	Road 14 ft. effective width.	9.7
21.5		(636872)	Road 12–13 ft. effective width.	9.2
21.8		(636872)	Footbridge over canal left. Road 12 ft. wide.	8.9
22.1	Bridge (40)	(636872)	3 ft. span, 22 ft. wide. Road 18 ft. effective width.	8.6
22.4	MIT BIRA	(635870)	Station. Road 14 ft. effective width.	8.3
23.4	Road Junction	(635870)	Right to BIGEIRIM. Bridge over canal left, R.C. and brick, to MIT BIRA. Road 16 ft. wide.	7.3
23.6	Culvert (40)	(635870)	Small culvert. Footbridge over canal left. Road 12 ft. wide.	7.1
23.9		(634870)	Road 16 ft. effective width.	6.8
24.4	Culvert (40)	(634870)	Small culvert.	6.3
24.7		(634869)	Orange grove right.	6.0
24.9	Culverts (40)	(634869)	Two small culverts.	5.8
25.2		(634869)	Road 14–16 ft. wide.	5.5
26.8	MINSHAT DAMALLU	(633868)	Village right. Minimum width 11 ft.	3.9
27.1		(633867)	Plantation right. Road 14 ft. wide with pull off in places 3 ft. wide.	3.6
27.4		(633867)	Footbridge over canal right. Road 13 ft. wide. No pull off.	3.3
28.0		(633867)	Few pull offs right and left, for short distance.	2.7
28.7		(632866)	Footbridge over canal right. Small settlement.	2.0
29.0		(632866)	Pull off right and left, 3 ft. wide in places.	1.7

Kms.				*Kms.*
29.6	Culvert (40)	(632865)	Small culvert. Narrow place 11 ft. wide.	1.1
29.8		(632865)	Footbridge over canal left.	0.9
30.3		(632865)	Road 12 ft. wide, 14 ft. in places.	0.4
	WARWARA		Village ½-mile left.	
30.7		(631864)	Join BENHA—TANTA Road (Route No. 52) at Km. 6.3.	0.0

Section :

KAFR EL SHEIKH (609933)—TANTA (614899)

(37.0 Kms. - 23.3 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 13 December 1942.

Start : Leave Route No. 502 at turning left, Km. 1.0.

Limiting Factors :

Minimum Road Width	...	10 ft.
Minimum Bridge Classification ...	...	
Minimum Overhead Clearance ...	...	
All Weather or Dry Weather Road	...	Dry Weather

GENERAL REMARKS

The road runs through cultivated land throughout and it is not possible to pull off the road at any point unless specifically stated in the text.

The road is mostly 4 metres wide (13 ft.), but is generally wider as it approaches TANTA. There are many narrow places which are not of any great length, but which would seriously hinder traffic if there were much in both directions. Traffic is light, but is sufficient to cause some delay. There is a bus service.

The road is watered in rather a desultory fashion, usually the whole width at once, and care must be taken to avoid skidding.

There are no very large villages, but in those that there are, the road is so full of pedestrians and animals as seriously to impede traffic.

DETAILED REPORT

Kms.				*Kms.*
0.0		(609933)	From Route No. 502 take road to TANTA. Dirt road. Surface M. 25 ft. wide. Canal right (EL QASID). Ditch left.	37.0
0.4		(610933)	Short piece 20 ft. wide.	36.6
1.1	Bridge	(610932)	3 ft. span, 30 ft. wide. Brick arch. Road—16 ft. effective width at culvert, then 20–25 ft. wide.	35.9
1.4		(610932)	Road narrows to 16 ft.	35.6
1.6		(610932)	Narrow place 13 ft.	35.4

Kms.				*Kms.*
2.1	SAKHA	(610931)	Enter village. Turning left to MAHALLA EL KUBRA. Road 33 ft. effective width.	34.9
2.3	Road Junction	(610931)	Turning right to RUWEINA.	34.7
2.8		(610931)	End of houses. Minimum width of road in village 16 ft.	34.2
3.0	Road Junction	(610930)	Turning left to MAHALLA EL KUBRA. Level crossing, light railway. Road 18–20 ft. wide.	34.0
3.2	Fork	(610930)	Fork right. Road 16–20 ft. wide.	33.8
3.3		(610930)	Narrow place 12 ft. wide. Small settlement. left KAFR EL HAMRAWI. Road 18–20 ft. wide.	33.7
	Bridge (40)		4 ft. span, 20 ft. wide. Road 18–20 ft. wide.	
4.7		(609929)	Road 20–25 ft. wide.	32.3
4.9	Culvert (40)	(608928)	15 ft. wide.	32.1
5.4		(608928)	Road 18 ft. wide.	31.6
5.6	Bridge (9)	(608928)	Road crosses over right of canal. Bridge three span. Steel girder. Brick abutments. Pipe piers. Total span 68 ft. 10 ft. wide.	31.4
	Road Junction		Turn left, straight on to EL BASYUN, road 15–17 ft. wide.	
6.1		(608927)	Road 16–20 ft. wide.	30.9
6.7		(608927)	Narrow place 13 ft. wide. Road 14 ft. wide.	30.3
8.4		(608926)	Road 18 ft. wide.	28.6
8.6	Bridge (30)	(608926)	3 ft. span, 25 ft. wide. Brick. Bridge over canal left. Road 20–25 ft. wide.	28.4
8.8	Culvert (40)	(608926)	Culvert 12 ft. wide.	28.2
9.1		(608925)	Road 14 ft. wide.	27.9
10.0		(608924)	Narrow piece for 20 yds. 9 ft. wide.	27.0
11.2		(607922)	Narrow place 10 ft. wide.	25.8
11.9		(607922)	Bridge over canal, left to village EL ATAWA. Road 16 ft. wide.	25.1
12.5		(607922)	Narrow place 10 ft. wide. Road 14 ft. wide.	24.5

Kms.				*Kms.*
13.3		(607921)	Level crossing. Narrow place each side 10–11 ft wide. Road 12 ft wide.	23.7
13.5		(607921)	Narrow place 10 ft., due to tomb right. Road 15 ft. wide.	23.5
13.9		(607920)	Narrow place 11 ft. wide.	23.1
15.1		(607919)	Narrow place 10 ft. wide.	21.9
15.3		(607919)	Narrow place 10 ft. wide.	21.7
15.8	SURAD	(607918)	Village left.	21.2
16.1		(607918)	Road 13 ft. wide.	20.9
16.3	Road Junction	(607918)	Bridge over canal left. Turning left to MAHALLA EL KUBRA. Road 20–25 ft. effective width.	20.7
	Culvert (40)		Culvert 6 ft. span, 15 ft. wide.	
17.2		(607917)	Piece of road 18 ft. wide.	19.8
17.4		(607917)	Parking space left and right for 150 yds. Road 20–25 ft. wide.	19.6
18.4	Culvert (40)	(607916)	Culvert 25 ft. wide.	18.6
18.6		(607915)	Narrow place 11 ft. wide. Bridge over canal left. Road 18 ft.	18.4
18.8	Culvert (40)	(607915)	Culvert 10 ft. span, 11ft. wide. Road 20 ft. wide.	18.2
19.0		(607915)	Road 14 ft. wide.	18.0
19.5		(607915)	Road 16 ft. wide.	17.5
19.7		(607914)	Narrow place 10 ft. wide.	17.3
20.0		(607914)	Road 20 ft. wide.	17.0
20.5		(607914)	Narrow place 10 ft. wide for 180 yds. Bridge over canal left to SHUBRA NABAS 14–16 ft. wide.	16.5
21.8		(608912)	Narrow place 11 ft.	15.2
21.9		(608912)	Road 22 ft. effective width.	15.1
22.5		(608912)	Narrow place 14 ft. wide.	14.5
23.2	Culvert (40)	(608911)	Culvert 4 ft. span, 24 ft. wide. Available width 18 ft. Bridge over canal left to KAFR ABU GINI. Road 14 ft. wide.	13.8
23.9	Road Junction	(609911)	Turning right to KUTAMA EL GHABA, Road 20 ft. effective width.	13.1
24.0		(609911)	Narrow place 14 ft. wide.	13.0
24.2		(609910)	Narrow place 16 ft. wide.	12.8
26.1		(610909)	Narrow place 16 ft. wide.	10.9

Kms.				*Kms.*
26.3		(610909)	Narrow place 14 ft. wide.	10.7
27.0		(610908)	Bridge over canal left. Narrow place 12 ft. wide. Light railway on other side of canal left. Road 15 ft. wide.	10.0
	Culvert (40)		Culvert 3 ft. span, 20 ft wide.	
27.6	MAHALLET-MINUF	(611908)	Over canal left. Road 18–20 ft. wide.	9.4
28.4	Culvert (40)	(612907)	Small. Level crossing over light railway.	8.6
	Bridge (40)		Road crosses to left of canal. Bridge R.C. and brick. Two span, 95 ft. total span, 20 ft. wide. Two 1 ft. footpaths. Road 14–16 ft. wide.	
28.6	Culvert (40)	(612907)	Culvert 2 ft. span, 30 ft. wide.	8.4
29.0		(612907)	Road 25–30 ft. effective width.	8.0
29.8		(613907)	Road 18 ft. wide for 150 yds.	7.2
30.2		(613906)	Road 20–25 ft. wide.	6.8
31.1		(613905)	Road 14–16 ft. wide.	5.9
31.4		(614905)	Bridge over canal, right to MIT EL SUDAN. Road 20–25 ft. wide. 30 ft. in places.	5.6
32.1	Bridge (40)	(614904)	2 ft. span by 24 ft. wide.	4.9
	Bridge (40)		6 ft. span by 24 ft wide.	
33.2		(614903)	Narrow place 15 ft. wide due to tree left.	3.8
35.3		(614901)	End of 30 ft. wide places.	1.5
36.7		(614900)	Road 16–22 ft. effective width.	0.3
37.0	Crossroads	(614899)	Straight on to TANTA. Left and right Route No. 1. ALEXANDRIA to ISMAILIA. Macadam surface.	0.0

Section :

BENHA (632860)—TANTA (617986)
(42.2 Kms. - 26.4 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Dates of Recce. : 20 November 1942.
21 November 1942.

Start : North side of bridge over TAUFIQI Canal at BENHA.

Limiting Factors :

Minimum Road Width	...	...	12 ft.
Minimum Bridge Classification	...	...	40
Minimum Overhead Clearance	...	...	12 ft. 5 ins.
All Weather or Dry Weather Road		...	Dry Weather

GENERAL REMARKS

The road, except for the towns, runs through cultivated land. It is for the main part bordered by trees so that there is no extra available space at the sides, unless specifically stated in the text.

The road, where dirt surface, is kept watered, but only one side is done at a time. The road when wet is very dangerous and care should be taken to keep the wheels of one side of the vehicle on the dry part of the road. The amount of vehicle traffic is fair, most of it being buses, but there are many pedestrians and animals, especially in the villages.

DETAILED REPORT

Kms.				*Kms.*
0.0		(632860)	Take road for BENHA by-pass turning right after crossing bridge. Dirt road, surface B. 19 ft. wide. Much animal traffic and pedestrians. TAUFIQI Canal right.	42.2
1.1		(633861)	Level crossing light railway.	41.1
1.3		(633861)	Level crossing railway.	40.9
2.3	Road Junction	(633862)	Turn left. Straight on to DAMIETTA. (Route No. 64.) Leave canal right. Road 40 ft. wide, surface B.	39.9
2.7		(633862)	Narrow place 12 ft. wide.	39.5
3.6		(632862)	Macadam road, surface M. 40 ft. wide.	38.6

Kms.				*Kms.*
3.9	Bridge (70)	(632862)	Over River NILE. Total span 780 ft. Two 8 ft. footpaths. Swing central span, two fixed spans on each side.	38.3
4.6		(631862)	Dirt road, surface M–B.	37.6
5.7	Culvert (40)	(631863)	Culvert, brick, 4 ft. diameter, 22 ft. wide.	36.1
6.3	Bridge (40)	(631864)	R.C. and brick over canal, 40 ft. span, 27 ft. wide. Turning right to ZIFTA. (Route No. 50.)	35.9
6.4	Bridge (40)	(631864)	R.C. and brick over canal, 15 ft. span, 27 ft. wide.	35.8
8.3	Bridge (40)	(631866)	Brick, 6 ft. span, 36 ft. wide.	33.9
8.4	Bridge (40)	(631866)	Bridge, 15 ft. span, 27 ft. wide. R.C. and brick.	33.8
10.4	Bridge (40)	(630868)	Bridge over canal. R.C. and brick, 40 ft. span, 27 ft. wide.	31.8
10.5	Crossroads	(630868)	Crossroads right to ZIFTA, (Route No. 500)* left to ISTANHA.	31.7
13.5	QUWEISNA	(628871)	Railway station. Road narrows to 18 ft. wide.	28.7
13.7	Crossroads	(628871)	Crossroads, left to SHIBIN EL KOM, right to ZIFTA.	28.5
13.8	Bridge (40)	(628781)	Over drain. R.C. and brick, 12 ft. span, 18 ft. wide.	28.4
14.9		(627873)	Road widens to 30 ft.	27.3
17.2	Bridge (40)	(627874)	Bridge over canal. R.C. and brick, 13 ft. span, 18 ft. wide. Two 5 ft. footpaths.	25.0
19.0	Bridge (40)	(626876)	Bridge over canal. R.C. and brick, 21 ft. span, 18 ft. wide.	23.2
20.8	Bridge (40)	(625877)	Bridge over drain. R.C. and brick, 30 ft. span, 35 ft. wide.	21.4
22.5	Bridge (40)	(625879)	Bridge over canal. R.C. and brick, 18 ft. span, 21 ft. wide. Two footpaths.	19.7
23.5	Bridge (40)	(624879)	Bridge over canal. R.C. and brick, 40 ft. span, 35 ft. wide.	18.7
24.4		(623880)	Leave railway left.	17.8

Kms.				*Kms.*
24.7	Road Junction	(623880)	Turning right to ZIFTA. Road narrows to 21 ft.	17.5
	Road Junction		Turning left to SHIBIN EL KOM.	
25.0	BIRKET EL SAB Bridge (40)	(623881)	Bridge over canal (BAHR SHIBIN), swing, centre span, 100 ft. span, steel girder. Two R.C. and brick side spans 36 ft. each. Bridge 21 ft. wide. Road level 15 ft. above water.	17.2
	Road Junction		Turning right to MASHALA.	
25.8		(622881)	Rejoin railway left.	16.4
26.3		(622881)	Mohammedan cemetery.	15.9
27.7	Bridge (40)	(622882)	Brick, 7 ft. span, 34 ft. wide.	14.5
31.8	Bridge (40)	(620886)	Over canal. R.C. and brick, 27 ft. span, 18 ft. wide. Two 4 ft. footpaths. Water 4 ft. below road.	10.4
32.5	Bridge (40)	(620887)	Brick. Over canal, 3 ft. span, 35 ft. wide.	9.7
33.0	ABU TOR	(619887)	Road wide, but many pedestrians and animals.	9.2
34.1	Bridge (40)	(619888)	Brick, 3 ft. span, 35 ft. wide.	8.1
35.5	Bridge (40)	(618889)	Over drain. R.C. and brick, 42 ft. span, 39 ft. wide. Road 10 ft. above water.	6.7
36.8		(618891)	Leave railway left.	5.4
36.9	DIFRA Road Junction	(618891)	Back turning left to SHIBIN EL KOM and TALA.	5.3
37.0		(618891)	Canal (EL QASID) parallels left.	5.2
39.1	Bridge (40)	(617893)	Brick, 3 ft. span, 30 ft. wide.	3.1
39.3	Bridge (40)	(617893)	Over canal left. Steel, five span.	2.9
39.4	NIFYA	(617893)		2.8
39.6		(617894)	Short place where effective width of road is reduced to 12 ft. due to cutting away of bank.	2.6
39.8	Bridge	(617894)	Carrying railway over road 35 ft. wide. 12 ft. 5 ins. clearance steel girder.	2.4
42.2	Road Junction	(617896)	Turning left to TANTA. Straight on for TANTA by-pass.	0.0

Section :

TANTA (614896)—SHIBIN EL KOM—BARRAGE (626831)

(69.6 Kms. - 43.5 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 25 November 1942.

Start : Level crossing at TANTA on the TANTA to TALA Railway.

Limiting Factors :

Minimum Road Width	... 8 ft.
Minimum Bridge Classification ...	... 9
Minimum Overhead Clearance ...	... U
All Weather or Dry Weather Road	... Dry Weather

GENERAL REMARKS

The road is dirt, passing through cultivation throughout. It is kept watered and care should be taken to avoid skidding when it is wet. Only one side of the road is watered at a time and the wheels on one side of the vehicle should be kept on the dry part of the road if possible.

There is a fair amount of traffic with a bus service. Apart from pedestrians and animal traffic, there is not enough to upset a convoy, except in the towns and villages.

It is not possible to pull off the road, as the wet soil is not firm enough to support a vehicle.

DETAILED REPORT

Kms.				*Kms.*
0.0		(614896)	Leave level crossing in S.E. direction.	69.6
0.3		(615896)	Turn right, street 25 ft. wide, macadam. Surface B.	69.3
0.7		(615896)	Leave houses. Dirt road, surface M to B. 19–22 ft. wide.	68.9
1.4		(615895)	Surface M. Small canal left.	68.2
1.7	Culvert (40)	(615894)	Culvert 25 ft. wide.	67.9
2.1		(614894)	Narrow place, 15 ft. wide.	67.5
2.9	Culvert (40)	(614893)	Culvert 25 ft. wide. Road 22 ft. wide.	66.7
4.1	Culvert (40)	(614892)	Culvert 25 ft. wide.	65.5

Kms.				*Kms.*
4.8	MINSHAT GANZUR	(614892)	Small settlement.	64.8
5.1	Culvert (40)	(614891)	Culvert 22 ft. wide. Road 19 ft. wide.	64.5
5.3	Culvert (40)	(614891)	Culvert 22 ft. wide.	64.3
6.7	Culvert (40)	(614890)	Culvert 22 ft. wide.	62.9
6.8	Culvert (40)	(614890)	Culvert 22 ft. wide.	62.8
7.0	SANADID	(614890)	Small settlement.	62.3
7.5	Culvert (40)	(614889)	Culvert 22 ft. wide.	62.1
7.9	Culvert (40)	(614889)	Culvert 22 ft. wide. Road 19 ft. wide.	61.7
8.6	Culvert (40)	(614888)	Culvert 22 ft. wide. Road 22 ft. wide.	61.0
9.2	Culverts (40)	(614887)	Two culverts, 19 ft. wide.	60.4
10.1	BABIL Cross-roads	(614886)	Turning left to BIRKET EL SAB, right to TALA.	59.5
	Bridge (40)		Over canal. R.C. and brick. 15 ft. span, 19 ft. wide.	
10.9	Culvert (40)	(614885)	Culvert 22 ft. wide, reduced to 14 ft. due to high verges.	58.7
11.1	ZIMARA	(614885)	Village. Road narrows to 15 ft. wide in places.	58.5
11.9		(615884)	Road 21 ft. wide.	57.7
12.8	Culvert (40)	(615883)	Culvert 15 ft. wide.	56.8
13.3		(615883)	Road 19 ft. wide.	56.3
14.4	Culvert (40)	(615882)	Culvert 14 ft. wide.	55.2
	SAMALIG		Village.	
14.5		(614882)	Road 14 ft. wide.	55.1
16.1	Culvert (40)	(614880)	Culvert 14 ft. wide.	53.5
18.0	Culvert (40)	(615878)	Culvert 14 ft. wide.	51.6
18.9		(615877)	Canal right.	50.7
19.2	Road Junction	(615877)	Turning right to SHOHADA. (Route No. 53.)	50.4
19.4	KOM EL AKHDAR	(615877)	Village.	50.2
19.7		(615877)	Mohammedan Cemetery left.	49.9
21.1		(615875)	Mohammedan Cemetery right.	48.5
22.3		(616874)	Road 16 ft. wide.	47.3
22.5		(616874)	Road 19 ft. wide.	47.1

Kms.				*Kms.*
23.0	Road Junction	(616873)	Turn right over bridge. Turning left to BIRKET EL SAB.	46.6
	Bridge (40)		R.C. and brick. (Control on irrigation canal). 9 ft. span, 25 ft. wide. Two 1 ft. footpaths. Road surface B. 19 ft. wide, winding.	
23.6	Bridge (12)	(616873)	Brick. 3 span brick piers, 60 ft. total span, 19 ft. wide.	46.0
23.7		(616873)	Houses.	45.9
24.2		(616873)	Road 30 ft. wide.	45.4
24.6		(616873)	Macadam, surface M.	45.0
24.9	Road Junction	(616872)	Turn left. Straight on to MINYET EL WAT.	44.7
25.1		(616872)	Diversion right. Road repairs.	44.5
25.6	SHIBIN EL KOM	(616871)	Surface B. Big canal left. Dirt road.	44.0
26.0		(616871)	Road 21 ft. wide. Surface B.	43.6
26.7		(616870)	Road 35 ft. wide. Surface B.	42.9
27.4		(616870)	Road 25 ft. wide. Surface B.	42.2
27.6		(616869)	Road 25 ft. wide. Surface M. End of houses.	42.0
28.1		(616869)	Leave canal, road 19 ft. wide.	41.5
28.8		(616868)	Few huts.	40.8
29.3		(616868)	Drain right.	40.3
30.4		(616867)	Narrow place, 12 ft. wide.	39.2
30.7		(616866)	Narrow place, 12 ft. wide.	38.9
32.1	Bridge (40)	(616865)	Turn right over bridge. R.C. and brick abutments and piers. Three span, total span 90 ft., 19 ft. wide. Water 20 ft. below road level. Two 2 ft. footpaths. Drain now on left.	37.5
32.3	SHANAWAN	(616865)	Road winding and narrow through town.	37.3
32.8		(616864)	Leave town. Road winding 19 ft. 25 ft. wide.	36.8
34.5		(616863)	Leave drain left. Canal right. Road straight.	35.1
36.3	KOM EL DAB	(618862)	Village. Mohammedan cemetery. Leave canal right. Big canal left.	33.0
37.5		(618862)	Leave canal left.	32.1

Kms.				*Kms.*
37.9	Bridge (9)	(618861)	Bridge over canal. Steel and brick. 19 ft. span, 12 ft. wide. Road 33 ft. wide.	31.7
38.4		(618860)	Road 30 ft. wide.	31.2
38.7	Bridge (40)	(618860)	Over EL BAQURIYA Canal. Three spans. Centre span movable, 80 ft. span. Sides spans 22 ft. span, each 19 ft. wide. Two 3 ft. footpaths. Brick and R.C.	30.9
40.1		(618858)	Road 22 ft. wide.	29.5
40.3	Road Junction	(618858)	Level crossing. Houses. Turning right to MINUF.	29.3
40.5	EL BAGUR Road Junction	(618858)	Road winding through town. Minimum width 18 ft. Many pedestrians. Turning left to ASRIGA.	29.1
41.2		(618857)	Leave houses.	28.4
41.3		(619857)	Road 12 ft. wide. Surface VB. (In repair).	28.3
42.0		(619856)	Road 19 ft. wide. Surface M.	27.6
43.2	Culvert (40)	(619855)	Culvert 14 ft. wide.	26.4
43.4		(619855)	Few huts right.	26.2
44.1	BAI EL ARAB	(619854)	Village. Minimum road width 18 ft.	25.5
45.1		(619853)	Few huts. Canal left.	24.5
46.0	BIR SHAMS	(619852)	Village. Leave canal left.	23.6
46.2	Bridge (40)	(619852)	Bridge over canal. R.C. and brick. 25 ft. span, 27 ft. wide. Two 18 in. footpaths. Rejoin canal left.	23.4
46.5	Road Junction	(619852)	Turning right to MINUF. Bridge. Brick and masonry, 25 ft. span, 24 ft. wide.	23.1
47.1	Bridge (70)	(618851)	Brick. 2 ft. span, 12 ft. wide.	22.5
47.4		(618851)	Road 14 ft. wide.	22.2
47.6		(618851)	Road 19 ft. wide.	22.0
48.8		(618850)	Road 22 ft. wide.	20.8
49.7	Bridge (40)	(619849)	Double-bridge over two canals at different levels. Small span 4 ft., brick. Large span 7 ft., R.C. on brick abutments. 25 ft. wide.	19.9

Kms.				*Kms.*
49.8		(619849)	Small place 16 ft. wide.	19.8
50.9		(619848)	Village road, 14 ft. minimum. Road 35 ft.	18.7
54.7	SANTARIS Road Junction	(621844)	Turning right to ASHMOUN.	14.9
58.2	Road Junction Bridge (9)	(622841)	Turning left to SIHWAG. Brick and masonry. Two spans 24 ft., total span 16 ft. wide. Two 3 ft. footpaths.	11.4
61.0		(623838)	Settlement. Road 30 ft. wide.	8.6
62.6		(623837)	Road 25 ft. wide.	7.0
62.7	Culvert (40)	(623837)	Culvert 35 ft. wide.	6.9
63.3			Road 35 ft.	6.3
63.4		(623837)	Level crossing. Railway bridge over canal left. Effective width of road 15 ft. Road 28 ft.	6.2
64.5	Bridge (9)	(623836)	Over irrigation canal. Two span, brick and masonry. 21 ft. total span, 15 ft. wide. Irrigation control.	5.1
	Road Junction		Turning right to SHISHA.	
66.6		(625833)	Road 8 ft. wide, small piece.	3.0
68.4		(626832)	Small village.	1.2
69.6	Road Junction	(626831)	BARRAGE. Join Route No. 2 at Km. 216.8.	0.0

Section :

TANTA (616898)—MAHALLA EL KUBRA (631918)

(24.4 Kms. - 15.1 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 13 December 1942.

Start : From TANTA by-pass on Route No. 2, just before it crosses the GANNAYIBET SHABSHIR Canal (616898).

Limiting Factors :

Minimum Road Width	... 13 ft.
Minimum Bridge Classification ...	... 9
Minimum Overhead Clearance ...	... 18 ft. 0 ins.
All Weather or Dry Weather Road	... Dry Weather

GENERAL REMARKS

The road runs through cultivated land throughout and it is not possible to pull off the road except where stated in the text. The road is mainly a 6 metre (20 ft.) road, but there are some narrow spots in it, though not enough seriously to impede double line traffic. Only in the villages is the road uncomfortably narrow (minimum 14 ft. wide), but the number of pedestrians and animals would hinder traffic.

Traffic on the road is light. There is a bus service.

The road is watered, mostly the two halves separately, so that the wheels on one side of the vehicle can be run on the dry part to avoid skidding.

DETAILED REPORT

Kms.				*Kms.*
0.0		(616898)	Dirt road. Surface M. Width 20 ft. Canal (GANNABIYET SHABSHIR) right. Railway on other side of canal.	24.4
0.2		(616898)	Road 20–25 ft. wide. Surface B.	24.2
1.2	Bridge (12)	(617899)	6 ft. span, 30 ft. wide.	23.2
2.1	Bridge (20)	(617900)	4 ft. span, 20 ft. wide.	22.3
3.0	Culvert (40)	(618900)	Culvert small 22 ft. wide. Road 20 ft. wide. Some places 20–30 yds. long, 25 ft. wide. Surface M.	21.4
3.5		(618901)	Road 20–25 ft. wide.	20.9

Kms.				*Kms.*
4.4		(619901)	Road 20 ft. wide.	20.0
5.1	EL RAGDIYA	(619902)	Village. Minimum road width 16 ft.	19.3
6.3		(620903)	No more 25 ft. wide places. Road 20–22 ft. wide.	18.1
6.7		(620903)	Narrow spot 16 ft. wide.	17.7
7.5		(621904)	Road 25 ft. wide, for 200 yds. 20–25 ft.	16.9
8.1	Culvert (40)	(621904)	Small culvert 30 ft. wide.	16.3
8.6	SHABSHIR EL HISSA	(621905)	Village. Orange grove left. Road 14–16 ft. wide in village.	15.8
9.3	Road Junction	(622905)	End of village. Turning right to EL QURASHIYA. Road 20–25 ft. wide with some short pieces 30 ft. wide.	15.1
10.5		(622906)	Bridge over drain. Three span 90 ft. total span, 24 ft. wide. Two 1 ft. footpaths. R.C. and brick.	13.9
11.1	Road Junction	(623907)	Turning right to QURASHIYA. Station right. MAHALLET ROH. Road bends left, away from canal.	13.3
11.9	Bridge (40)	(623907)	Road turns right, over culvert, 2 ft. span, 20 ft. wide. Brick arch. Level crossing. Then turn right again and bends left to meet canal. Road 20–25 ft. wide.	12.5
12.8	Culvert (40)	(624908)	Small. Bridge over canal six span. Timber on timber piles.	11.6
	Bridge (9)		110 ft. total span, 13 ft. wide.	
13.5	Bridge (40) (Overhead clearance 18 ft.)	(624908)	Bridge over canal. 110 ft. span, 20 ft. wide. R.C. bowstring. Two 2 ft. footpaths. Single span. Road 18–20 ft. wide. Many small culverts 22 ft. wide to km. 21.1.	10.9
14.0		(624909)	Road 20 ft. wide.	10.4
15.3		(625910)	Road 18–20 ft. wide.	9.1
15.8	Bridge (40)	(625910)	Bridge over canal, 33 ft. span, 20 ft. wide. Two 1 ft. footpaths. R.C. and brick.	8.6

Kms.				*Kms.*
16.0	Crossroads	(625910)	Right to QURASHIYA. Left to ES SIGAIYA. Road 25 ft. wide.	8.4
17.7		(627912)	Narrow spot 20 ft. wide.	6.7
18.1		(627912)	Narrow spot 20 ft. wide.	6.3
18.4		(627912)	Road 23 ft. effective width.	6.0
19.8		(628913)	Road 25 ft. effective width.	4.6
20.5	Bridge (40)	(628914)	Bridge over canal, 21 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths.	3.9
21.1	Culvert	(628914)	Culvert 2 ft. span, 25 ft. wide.	3.3
21.9		(629915)	Narrow spot 20 ft. wide.	2.5
22.5		(629916)	Narrow spot 20 ft. wide.	1.9
22.6	Bridge (12)	(629916)	Over drain, 22 ft. span, 23 ft. wide. R.C. and brick. Two 1 ft. footpaths.	1.8
	Bridge (40)		Over canal, 3 ft. span, 23 ft. wide. R.C. and brick. Two 1 ft. footpaths.	
23.0	MAHALLA EL KUBRA.	(630916)	Road 25–30 ft. wide.	1.4
23.9		(630917)	Macadam road. Surface M. 23 ft. wide.	0.5
24.2	Bridge (30)	(630917)	Bear left over bridge over canal. Regulator. 30 ft. span, 25 ft. wide. R.C. and brick.	0.2
	Road Junction		Turn right and follow along canal right.	
24.4		(631918)	Join Route No. 502 at " Bridge over Canal " (Km. 31.0)	0.0

ZIFTA (637888)—Road Junction (630868)

(23.4 Kms. - 14.7 Miles)

ALTERNATIVE ROUTE

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 4 December 1942.

Start : Crossroads at Km. 4.0 on Route No. 50.

Limiting Factors :

Minimum Road Width	9 ft.
Minimum Bridge Classification	12
Minimum Overhead Clearance	U
All Weather or Dry Weather Road ...	Dry Weather

GENERAL REMARKS

The road runs throughout through cultivated land. The road appears to have been watered, but this was not going on during the recce.

Traffic is very light except for pedestrians and animals in the villages.

The widths of road given are the maximum available except when otherwise stated. The actual track itself is only the width of one vehicle.

The bridges over the canal which parallels the road for the greater part of its length, could be used for light traffic, but their maximum carrying capacity is probably not over 5 tons.

DETAILED REPORT

Kms.				*Kms.*
0.0		(637888)	Dirt road. Surface M to B. Light railway, drain, effective width 10 ft. Many pedestrians and animals to Km. 2.9.	23.4
0.2		(637889)	Road 8 ft. wide, due flooding by irrigation right, for 20 yds.	23.2
0.5	Culvert (40)	(637889)	Culvert 13 ft. wide.	22.9
1.2	Culvert (40)	(636888)	Culvert 10 ft. wide.	22.2
1.9	Culvert (40)	(636887)	Culvert 13 ft. wide.	21.5
	Bridge (30)		Over drain. Two span, R.C. and brick abutments. Two 1 ft. footpaths. Total span 53 ft., 19 ft. wide.	

Kms.				Kms.
	Culvert (40)		Leave drain right. Small culvert 11 ft. wide.	
2.1	Culvert (40)	(636887)	Culvert 10 ft. Road 11 ft. wide.	21.3
2.9	Road Junction	(635887)	Turn left over level crossing over light railway. Straight on to DAMANHUR EL WAHSH and TANTA.	20.5
	KAFR EL GINEIDI		Canal EL KHADRAWIYA parallels road right. Village. Road 20 ft. wide.	
4.2		(636885)	Effective width 13 ft.	19.2
4.3		(636885)	3 ft. pull off right.	19.1
4.5		(636885)	3 ft. pull off right in places.	18.9
5.0		(636885)	No pull off. Effective width 13 ft.	18.4
5.7		(636884)	Narrow place 9 ft.	17.7
5.9		(636884)	Effective width 14 ft.	17.5
6.7		(636883)	Small settlement left. Minimum road width 11 ft. Road 14 ft.	16.7
7.3		(636882)	Narrow place 12 ft.	16.1
7.4		(636882)	Orange grove left.	16.0
7.6	Culvert (40)	(636882)	Small culvert.	15.8
7.8		(636882)	Narrow place 11 ft.	15.6
8.3		(636881)	Settlement over canal right. Road 12 ft. wide for 100 yds.	15.1
8.8		(636881)	Footbridge over canal right.	14.6
9.0	Culvert (40)	(636880)	Culvert 12 ft. wide.	14.4
	Road Junction		Turning left to MIT EL RAKHA. Road 12 ft. wide.	
10.0		(635880)	Settlement. Minimum width road 10 ft.	13.4
11.1		(635878)	Small settlement over canal right.	12.3
11.2		(635878)	Small piece of road 14 ft. wide.	12.2
11.8		(635878)	Settlement. Minimum width of road 9 ft.	11.6
12.2		(635877)	Footbridge over canal right.	11.2
12.5		(635877)	Road 15 ft. wide.	10.9
13.1	Culvert (40)	(635876)	Culvert. Road 12–15 ft. wide.	10.3
13.3 to 13.7		(635876) to (635876)	Orange groves left.	10.1 to 9.7
13.8	DAMHUG	(635876)	Village 600 yds. right.	9.6
14.4		(634875)	Narrow place 10 ft. wide.	9.0
15.6		(633874)	Road 12 ft. wide.	7.8

Kms.				*Kms.*
16.1		(633874)	Settlement. Minimum effective road width 10 ft.	7.3
16.6	Road Junction	(633874)	Turning left to MIT BIRA. Turn right over bridge over canal (control). Total span 40 ft., 13 ft. wide. Brick. Three span. Class 12.	6.8
	Road Junction		Turn left. Straight on to SHIBIN EL KOM. Canal to left of road.	
16.8	Culvert (40)	(633874)	Sharp bend right. Culvert over canal (control). 2 ft. span, 11 ft. wide. Brick. Sharp bend left.	6.6
	Bridge (30)		Over canal (control). 6 ft. span, 11 ft. wide. R.C. and brick. Road 12–14 ft. effective width.	
18.5		(632872)	Footbridge over canal left.	4.9
18.7	Bridge (12)	(632872)	Over canal (control). 6 ft. span, 11 ft. wide. Brick. Road 12 ft. wide. Sandy hill left 400 yds.	4.7
20.1		(630872)	Some places 14 ft. wide to Km. 20.3.	3.3
20.4		(630870)	Footbridge over canal left.	3.0
20.8	Crossroads	(630870)	Turning right to MINSHAT SABRI, left to MIT BIRA.	2.6
23.2		(630868)	Road 11 ft. wide.	0.2
23.4	Road Junction	(630868)	Join Route No. 52.	0.0

Route Nos. 502A,
68

KAFR-EL-SHEIK (609933)—MAHALLA-EL-KUBRA—SIMBILLAWEIN —KAFR SAQR—ABU KEBIR—ABU HAMMAD—EL ABBASA (682870)

(116.4 Kms. - 72.7 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 8 November 1942.
9 November 1942.

Start : Main square west of KAFR-EL-SHEIKH.

Limiting Factors :

Minimum Road Width	...	...	9 ft.
Minimum Bridge Classification	...	...	5
Minimum Overhead Clearance	...	...	
All Weather or Dry Weather Road		...	Dry Weather

GENERAL REMARKS

The road runs through cultivated land through its length except for two small patches of sand north of ABU HAMMAD. The road is macadamised in these places, but elsewhere it is a dirt road except in some towns.

For the greater part of its length the road is narrow and the difficulty of finding the way through certain towns—notably MAHALLA EL KUBRA, SAMMANNUD and SIMBILLAWEIN—as well as the crowds of pedestrians and animals in these towns, militate against the use of this road as a regular route.

The widths of road given in the text are the maximum that can be used unless otherwise stated. It is not possible to pull off the road in most places, as the cultivation runs up to it, or there is a ditch, railway or canal close to it.

The greater part of the road is watered, and as it is so narrow, the whole width is done in one operation and care must be exercised to avoid skidding. In the cases where the road is watered only half at a time, the wheels on one side of the vehicle should be kept on the dry part.

In MAHALLA EL KUBRA, the road, although macadamised, has such a collection of mud on it, that the surface is to all intents and purposes a dirt one.

DETAILED REPORT

Kms.			*Kms.*
0.0	(609933)	Turning left into KAFR EL SHEIKH from DISUQ as far as railway.	116.4

Kms.				*Kms.*
0.2		(609933)	Turn right then left over level crossing and immediately right.	116.2
0.3	Bridge (9)	(609933)	Turn left over bridge over canal, 35 ft. total span, 20 ft. wide. Brick three span. Bear slight left. Minimum width 10 ft.	116.1
0.5		(609933)	Turn right. Effective width 50 ft.	115.9
1.0	Road Junction	(609933)	Turn left, straight on to TANTA. Turning right back to KAFR EL SHEIKH. Culvert 1 ft span, 20 ft. wide. Road effective width 15–16 ft. Small canal left.	115.4
2.1		(611933)	Culvert 1 ft. span, 20 ft. wide. Bear left. Road 20 ft. wide.	114.3
2.4	Bridge (40)	(611933)	Over drain, 4 ft. span, 40 ft. wide.	114.0
	Bridge (40)		Over canal, 75 ft. total span, 20 ft. wide (Control), two 1 ft. footpaths. Five span. R.C. and brick.	
	Bridge (40)		Over canal (control) 50 ft. span. Three spans, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths.	
	Road Junction		Turning left to IBSHAN. Canal right. Road 13 ft. wide.	
3.1		(611933)	Road 20 ft. wide.	113.3
4.2	Road Junction	(611932)	Turn left. Turning right to SAKHA. Effective width 30 ft. Ditch left and right.	112.2
5.4		(612932)	Effective width 15–18 ft.	111.0
6.1	Culvert (40)	(612932)	Sharp bend right. Culvert 20 ft. wide.	110.3
6.9	Bridge (5)	(614931)	Over drain, 21 ft. span, 11 ft. wide. Steel girder on brick.	109.5
7.3	TAYFA	(614931)	Village. Minimum width of road in village 18 ft. Effective width of road 22 ft.	109.1
7.4	Culvert (40)	(614931)	Culvert 20 ft. wide. Road 15 ft.	109.0

Kms.				*Kms.*
8.3	Bridge (5)	(615931)	Over canal, 25 ft. span, 9 ft. wide. Two wood footpaths. Steel on brick.	108.1
	EL SAIRSHABI		Settlement.	
8.5		(615931)	Road 18 ft. wide.	107.9
8.8		(616931)	Narrow place 10 ft wide.	107.6
9.5	Bridge (40)	(616931)	Over canal, 7 ft. span, 17 ft. wide, R.C. and brick. Drain right.	106.9
11.7	Bridge (40)	(618931)	Over drain, 16 ft. span, 20 ft. wide. Two 1 ft. footpaths. R.C. and brick.	104.7
12.3	MATBUL	(619931)	Village. Minimum width 16 ft.	104.1
12.5	Culvert (40)	(619931)	Culvert small.	103.9
12.6		(619931)	Road 14 ft. wide.	103.8
13.0	Bridge (40)	(619930)	Road 20 ft. wide. Culvert over canal, 5 ft. span, 19 ft. wide. R.C. and brick. Road 20 ft. wide.	103.4
13.7		(620930)	Road 25 ft. wide. Culvert 25 ft. wide.	102.7
14.0	Road Junction	(620930)	Turning right to KAFR EL SHEIKH.	102.4
	Bridge (5)		Over drain, 50 ft. span, 14 ft. wide. Steel brick abutments and pipe piers. Three spans. Road 18 ft. wide.	
14.2		(620930)	Narrow place 12 ft.	102.2
14.4	Road Junction	(620930)	Turning left to KHAMMARA and MANSURA. Road 16 ft. wide.	102.0
14.9		(620929)	Narrow place 10 ft. wide.	101.5
15.1	Bridge (9)	(621929)	Over canal, 5ft. span, 20 ft. wide. Brick arch.	101.3
15.9		(621928)	Narrow place 11 ft. wide.	100.5
16.1	Culvert (40)	(621928)	Culvert 22 ft. wide.	100.3
16.6		(622928)	Light railway right, road 14 ft., culvert 15 ft. wide.	99.8
17.1	Road Junction	(623927)	Back turning left to EL HAMUL.	99.3
17.3	KR. DIMITNU	(623927)	Village of KAFR DIMITNU. Road 10 ft. minimum width.	99.1
17.5		(623927)	Road 15–16 ft. wide.	98.9

Kms.				*Kms.*
17.6		(623926)	Level crossing over light railway.	98.8
17.8	Road Junction Bridge (40)	(623927)	Turning right to EL SIGAIYA. Over drain, 63 ft. span, 20 ft. wide. R.C. and rendered brick. Two 1 ft. footpaths. Road 16 ft. wide. Ditch and light railway, left turning to EL HAMUL.	98.6
18.7		(623926)	Canal left. Road 18 ft. wide.	97.7
20.8	Culverts (40)	(624924)	Two. 30 ft. wide, road 17 ft. effective width. Decauville track right for short way.	95.6
21.3	MUTAMIDIYA	(624924)	Village and station. Road 18 ft. effective width.	95.1
22.3		(625923)	Narrow place 12 ft.	94.1
24.0		(626923)	Narrow place 12 ft.	92.4
24.4		(626923)	Leave railway left. SINDSIS.	92.0
27.0		(629921)	Sharp left and right turn, rejoin railway left. Road 13 ft. wide.	89.4
27.2		(629921)	Narrow place due to tree right. 11 ft. wide.	89.2
27.9		(629920)	Road 14 ft. wide.	88.5
28.2		(630920)	Narrow place 11 ft. wide.	88.2
28.7		(630920)	Effective width 12 ft. Surface B.	87.7
29.2		(630919)	Road crosses to left of railway.	87.2
29.4	Bridge (9)	(630919)	Over canal, 27 ft. span, 11 ft. wide. Steel girder on brick. Road 15 ft. wide.	87.0
29.6	MAHALLA EL KUBRA	(630919)	Enter town. Turning left to IBSHAN. Road 14 ft. wide.	86.8
29.9		(631919)	Macadam road surface M.	86.5
30.1		(631918)	Surface B.	86.3
30.6	Crossroads	(631918)	Crossroads, turn right. Turning left to IBSHAN.	85.8
30.8		(630918)	Surface M. Canal left.	85.6
31.0	Bridge (40)	(631918)	Turn left over bridge over canal. 45 ft. total span, 21 ft. wide, 3 span brick arch, 3 ft. footpaths. Turn right.	85.4
31.1		(630918)	Turn left then left again.	85.3
31.3		(631918)	Level crossings, narrow and standard gauge railways. Light railway left. Standard gauge	85.1

Kms.				*Kms.*
			railway right. Dirt road. Surface B, 15 ft.	
31.8		(632918)	Road 18 ft. End of houses. Surface M.	84.6
32.7	Culvert (40)	(632917)	Culvert 30 ft. wide. Road 20 ft.	83.7
33.0	MOHAMED ABU ALI EL QANTARA	(633917)	Turn left with light railway (old road straight on). Road 25 ft. wide. Station left and village right.	83.4
34.1	Road Junction	(634918)	Turn right, straight on to TALKA.	82.3
34.8		(634918)	Steel pipe drain under road.	81.6
35.3	Bridge (40)	(635918)	Over canal. 24 ft. span, 22 ft. wide. R.C. and brick. Two 1 ft. footpaths.	81.1
35.8	Bridge (40)	(635918)	Bridge over drain. 8 ft. span, 22 ft. wide. Two 1 ft. footpaths. R.C. and brick.	80.6
36.0	EL RAHBEIN	(635918)	Road 21 ft. wide. Village left.	80.4
36.3	Bridge (40)	(636918)	Over drain. 29 ft. span, 22 ft. wide. Two 1 ft. footpaths. R.C. and brick.	80.1
36.7	Bridge (9)	(636918)	Over canal. 22 ft. wide, in two parts. (1) Lift bridge over lock, steel, 24 ft. span. (2) Fixed bridge, R.C. and stone piers. 6 span (control), 120 ft. total span, with two 3 ft. footpaths.	79.7
	Bridge (40)		Over drain. 15 ft. span, 22 ft. wide. Two 1 ft. footpaths. R.C. and brick.	
36.8		(636918)	Road 22 ft. wide.	79.6
37.2	Bridge (40)	(637918)	Over drain. 10 ft. span. 22 ft. wide. Two 1 ft. footpaths. R.C. and brick.	79.2
37.9	Bridge (40)	(637917)	Over drain. 19 ft. span, 22 ft. wide. Two 1 ft. footpaths. R.C. and brick.	78.5
38.1		(637917)	Road 19 ft. Join big canal right.	78.3

Kms.				*Kms.*
38.8	Road Junction	(638917)	Turn right over bridge over canal. 50 ft. span, 24 ft. wide.	77.6
	SAMANNUD		R.C. Straight on to DAMIETTA, Enter SAMANNUD.	
39.1		(638917)	Road 18 ft. wide between houses.	77.3
39.3		(638917)	Level crossings, light railway and full gauge railway. Turn immediately left and take first turning right.	77.1
	Road Junction Bridge		Straight on to SAMANNUD Bridge. Total span approx. 900 ft. First span swing, two spans fixed. Two 5 ft. foot-paths. Steel on masonry.	
40.1	Road Junction	(639917)	Turn left just before Mohammedan Cemetery, then right over level crossing light railway. Light railway right. Minimum road width 12 ft.	76.3
40.5		(639916)	End of houses. Road 22 ft. effective width.	75.9
41.3		(640916)	Road crosses to right of railway line.	75.1
41.7		(640916)	Road 25 ft. wide.	74.7
42.4	Crossroads	(640916)	Left to NABARON, right to MIT GHAMR.	74.0
	Bridge (18)		Over canal. 6 ft. span, 25 ft. wide. Brick arch. Canal right. Narrow place 18 ft., due to tree right.	
42.6		(641916)	Narrow place 18 ft.	73.8
42.7		(641915)	Road crosses to left of railway. 22 ft. wide.	73.7
43.1		(641915)	Road 20 ft. with some wider places.	73.3
44.1	Culvert (40)	(642915)	Culvert. Effective width 13 ft. Road 14 ft. wide.	72.3
44.3		(642915)	Turn right over canal. Bridges 7 ft. span, 20 ft. wide. Level crossing, light railway. Road 20 ft. wide. Surface B.	72.1
	AGA		Enter AGA.	

Kms.				*Kms.*
45.0		(643914)	Turn left over level crossing, light railway.	71.4
	Road Junction		Turning right to MIT GHAMR. (Route No. 64.) Turn right	
	Bridge (12)		immediately over bridge over canal. Two fixed side spans, one swing centre span. Total span 110 ft., 12 ft. wide. Steel girder on brick abutments and pipe piers.	
	Road Junction		Turning left to MANSURA. (Route No. 64.) Road 13 ft. wide.	
45.2		(643914)	Canal left. Light railway right.	71.2
45.5		(643914)	End of houses.	70.9
45.7		(643914)	Surface M.	70.7
46.5		(644914)	Road 14 ft. wide.	69.9
47.6		(645914)	Road 12–13 ft. Ditch left. Light railway right.	68.8
48.6	Bridge (40)	(646914)	Over canal. 5 ft. span, 20 ft. wide. R.C.	67.8
49.0	Culvert (40)	(647914)	Culvert 20 ft. wide.	67.4
49.1		(647914)	Narrow place 11 ft. wide. Road 14 ft. wide.	67.3
49.7		(647914)	Narrow place 10 ft.	66.7
49.8		(648914)	Narrow place 10 ft.	66.6
50.0		(648914)	Road 17 ft. wide.	66.4
50.2	BURG NUR EL HUMMUS	(648914)	Enter town. Bridge over drain, 10 ft. span, 24 ft. wide. Brick arch.	66.2
	Crossroads		Crossroads left to MANSURA, right to MIT GHAMR. Wide place 30 ft. Road crosses right of railway.	
50.3		(648914)	Some 9 ft. narrow places. Road 12–13 ft. wide.	66.1
50.9		(649913)	Narrow 9 ft. wide culvert.	65.5
51.6		(649913)	Road 25 ft. wide.	64.8
51.7	Bridge (40)	(649913)	Over canal. 30 ft. span, 20 ft. wide. Two 1 ft. footpaths. R.C. and brick. Road 20 ft. effective width.	64.7
52.4		(650913)	Road 14–16 ft. wide.	64.0

Kms.				Kms.
52.9		(650913)	Road 12 ft. wide.	63.5
53.5		(651913)	Road 11 ft. wide.	62.9
54.0	Culvert (40)	(651912)	Culvert over drain. 17 ft. wide.	62.4
54.1	Bridge (40)	(651912)	Over drain. 38 ft. span, 20 ft. wide. Two 1 ft. footpaths, R.C. and brick.	62.3
54.5	Bridge (40)	(652912)	Over canal. 31 ft. span, 13 ft. wide. R.C. and brick.	61.9
55.0	SHUBRA HOR	(652912)	Station. Small village. Road 10 ft. wide.	61.4
55.7	Culvert (40)	(653911)	10 ft. wide.	60.7
56.1	Bridge (12)	(653911)	Over drain. 5 ft. span, 12 ft. wide. Brick arch.	60.3
56.4	Bridge (40)	(653911)	Over canal. 9 ft. span, 15 ft. wide. Two 3 ft. footpaths. R.C. and brick. Wide place in road, 20 ft. wide.	60.0
57.1	Bridge (40)	(654910)	Over canal. 12 ft. span, 15 ft. wide. Two 3 ft. footpaths. R.C. and brick. Road 13 ft. effective width due to telegraph poles right.	59.3
57.6		(654910)	Road 14 ft. wide.	58.8
58.0	Culvert (40)	(654910)	Culvert 15 ft. wide.	58.4
58.5	Culvert (40)	(655910)	Narrow place 11 ft. Culvert over drain. 3 ft. span, 20 ft. wide. Road 12 ft. wide.	57.9
58.6		(655910)	Canal left.	57.8
59.2	Bridge (12)	(659909)	Canal crosses to right under bridge. 6 ft. span, 19 ft. wide. Road 16 ft. wide, reduced to 13 ft. by telegraph poles right. Bridge—brick arch.	57.2
59.7	NUB TARIF	(656909)	Village left.	56.7
60.0		(656909)	Narrow place 9 ft. wide.	56.4
60.2		(656909)	Narrow place 9 ft. wide.	56.2
60.4		(656909)	Culvert 14 ft. wide.	56.0
61.1	Bridge (12)	(657909)	Over drain. 4 ft. span, 12 ft. wide. Brick arch.	55.3
61.2	Culvert (40)	(657908)	Small culvert 12 ft. wide.	55.2

Kms.				*Kms.*
61.9		(658908)	Level crossing over light railway which goes off right. Road	54.5
	Bridge (40)		turns left over bridge over drain. 19 ft. span, 10 ft. wide. Two span. R.C. and brick.	
	Bridge (40)		Railway right. Over drain. 15 ft. span, 10 ft. wide. R.C. and brick.	
62.1	SIMBILLA-WEIN	(658908)	Enter town.	54.3
62.3	Bridge (12)	(658908)	Turn right over bridge over canal (control). 25 ft. span, 25 ft. wide. Brick arch. Keep straight on after crossing bridge.	54.1
62.8		(659908)	Turn left.	53.6
63.0		(659908)	Turn right.	53.4
63.7		(660907)	End of town. *Note.*—Road narrow (11 ft.) and winding and very many pedestrians through the town.	52.7
	Bridge (40)		Turn left over level crossing and immediately right over bridge over canal. 27 ft. span, 20 ft. wide. Two 1 ft. footpaths. R.C. and brick. Road 20 ft. wide. Railway right.	
64.7		(661907)	Road 25 ft. wide with 2–3 ft. pull off each side.	51.7
65.2	Bridge (40)	(661907)	Over drain. 27 ft. span, 20 ft. wide. Two 1 ft. footpaths. R.C. and brick. Road 25 ft. effective width, surface M–B.	
66.6	Bridge (40)	(663906)	Over canal 33 ft. span, 20 ft. wide. Two 1 ft. footpaths, R.C. and brick. Road 23 ft. wide including pull off. Small drain right.	49.8
69.7	Road Junction	(665905)	Turning left to ABU DAWUD EL SIBAKH.	46.7
69.9	BARQIN	(665905)	Village. Road 20 ft. minimum, thereafter 25 ft.	46.5
70.9		(667905)	Road 18–25 ft. wide.	45.5
71.3		(667904)	Road 18–25 ft. wide.	45.1

Kms.				*Kms.*
72.3		(668904)	Narrow place 18 ft.	44.1
72.8		(668904)	Road narrows to 14 ft.	43.6
73.2		(669904)	Road 25 ft. wide.	43.2
73.4		(669904)	Road 18–25 ft. wide.	43.0
73.5		(669904)	Road 18–25 ft. wide.	42.9
74.0	Bridge (40)	(669904)	Over drain, 33 ft. span, 20 ft. wide. Two 1 ft. footpaths R.C. and brick. Road 18 ft. wide.	42.4
74.2	Culvert (40)	(670904)	Culvert 20 ft. wide.	42.2
74.6		(670904)	Road 22 ft wide.	41.8
74.7	Culvert (40)	(670904)	Culvert 25 ft. wide. Road 20 ft. 25 ft. in places.	41.7
74.9	Culvert (40)	(670904)	Culvert 25 ft. Road 24 ft.	41.3
75.1		(670904)	Wide place 30 ft. for 100 yds.	41.3
75.6	Bridge (40)	(671904)	Over canal, 40 ft. span, 20 ft. wide. Two 1 ft. footpaths R.C. and brick. Road 28 ft. wide.	40.8
75.9		(671904)	Road turns left away from railway.	40.5
76.5	Road Junction	(671902)	Village. Turning left to DIKIRNIS.	39.9
76.6	Bridge (40)	(671904)	Over canal, 51 ft. span, 13 ft. wide. Two span R.C. and brick. Road 20 ft., narrow place 14 ft.	39.8
76.8		(672903)	Rejoin railway.	39.6
77.0		(672902)	Road 25–30 ft. wide.	39.4
77.2	ABU SHUQUQ	(672902)	Village. Causeway over swamp, 25 ft. wide, 250 ft. long, stone road, 20 ft. effective width.	39.2
77.7		(672902)	Narrow place 10 ft.	38.7
77.8		(672901)	Road 25 ft. effective width.	38.6
78.9	Culverts (40)	(673901)	Two, 16 ft. wide. Road width reduced to 11 ft. due to high verges,	37.5
79.2	Bridge (40)	(673900)	Over drain, 15 ft. span, 13 ft. wide. R.C. and brick. Road 22 ft. wide.	37.2
79.8		(674900)	Small canal left.	36.6
80.6	Culvert (40)	(674899)	20 ft. wide, effective width 10 ft. Road 12 ft. wide with 4 ft. pull off right.—Bad.	35.8

Kms.				*Kms.*
81.0		(674899)	Narrow piece 10 ft. wide. Road 14 ft. effective width.	35.4
81.1		(674899)	Egyptian Police check post.	35.3
81.3		(674899)	Two level crossings, light railway. Road 25 ft. wide.	35.1
81.8	KAFR SAQR Road Junction	(675898)	Village. Bridge over canal 27 ft. span, 14 ft. wide. R.C. and brick. Turning right to HIHYA. Minimum road width in village 12 ft.	34.6
82.0	Bridge (40)	(675898)	Over canal, 30 ft. span, 14 ft. wide. R.C. and brick. Turn right.	34.4
82.2	Bridge (40)	(675898)	Turn left. Bridge over canal, 30 ft. span, 13 ft. wide R.C. and brick. Road 25 ft. wide. End of village. Parking space right.	34.2
82.5		(675897)	Culvert 14 ft. wide.	33.9
83.6	BUHA	(676897)	Settlement and railway station. Minimum road width 12 ft.	32.8
83.9	Culvert (40)	(676897)	Culvert 20 ft. wide.	32.5
84.4	Culvert (40)	(677896)	Culvert 20 ft. wide.	32.0
84.6		(677896)	Settlement left. Minimum road width 14 ft.	31.8
84.9	Bridge (40)	(677896)	20 ft. wide. Bridge over drain, 20 ft. span, 20 ft. wide. Two 1 ft. footpaths, R.C. and brick. Small canal right. Road 25–30 ft. effective width.	31.5
86.3		(677895)	Narrow place 20 ft. wide.	30.1
87.0	Culvert (40)	(678894)	18 ft. wide.	29.4
87.7		(678893)	Narrow place 20 ft. wide.	28.7
88.1	Crossroads	(679893)	Crossroads, right to HIHYA, (Route No. 602) left to FAQUS.	28.3
	Bridge (40)		Over canal, 60 ft. span, 13 ft. wide, R.C. and brick.	
88.6	Culvert (40)	(679893)	21 ft. wide. Settlement 200 yds. left.	27.8
89.1	Bridge (12)	(679892)	Over drain, 5 ft. span, 35 ft. wide, brick arch. Road 22 ft. effective width. Culvert 20 ft. wide.	27.3

Kms.				*Kms.*
89.4		(679892)	Stone surface covered with sand, surface B.	27.0
89.8		(679892)	Road bears left away from railway.	26.6
90.1	Bridge (40)	(679892)	Level crossing. Bridge over canal, 25 ft. span. 14 ft. wide. R.C. and brick.	26.3
	ABU KEBIR		Enter town.	
	Road Junction		Turn right. Turning left to FAQUS. Dirt road. Minimum width 10 ft.	
90.8	Road Junction	(679891)	Turn left. Turning right to HIHYA. (Route No. 65.) Very many pedestrians. Road narrow and winding between houses.	25.6
91.7		(679890)	Macadam road, surface M. 14 ft. wide.	24.7
92.2		(679890)	End of houses. Date palms left and right. 3 ft. pull off left and right.	24.2
92.6	Culvert (40)	(679890)	Culvert 20 ft. wide.	23.8
93.1		(679889)	No pull off. End of palms. Dirt road, surface M.	23.3
93.6	Culvert (40)	(679888)	Small culvert.	22.8
	Bridge (12)		Over drain, 7 ft. span, 16 ft. wide. Brick arch. Road 20 ft. wide. Keep straight on. Small canal left.	
94.1		(679888)	Light railway joins road right. Road 16 ft. wide.	22.3
94.8	TUKHEL QARAMUS	(679887)	Halt.	21.6
95.0	Road Junction	(679887)	Turning right to HIHYA. Road crosses to right of railway, 14 ft. wide.	21.4
95.5	Bridge (12)	(679886)	Over canal, 8 ft. span, 21 ft. wide. Brick arch. Road 18 ft. wide.	20.9
97.1		(679885)	Road 8–10 ft. wide.	19.3
97.2		(679885)	Road 11 ft. wide.	19.2
97.6	Bridge (12)	(679884)	Over canal, 6 ft. span, 16 ft. wide. Brick arch. Road 9 ft. wide, few places 11 ft.	18.8

Kms.				*Kms.*
98.3	Culvert (40)	(679884)	16 ft. wide.	18.1
99.0	Culvert (40)	(679883)	14 ft. wide.	17.4
99.3	Culvert (40)	(679883)	14 ft. wide.	17.1
99.6	MANASTERLEY PASHA	(679882)	Station.	16.8
	Bridge (18)		Over canal, 50 ft. span, 9 ft. wide. Swing. Steel girder centre support. Wood decking.	
100.4		(679882)	Road 12 ft wide.	16.0
101.0		(679881)	Narrow piece 9 ft. wide.	15.4
101.2	TELL MUFTAN	(679881)	Village. Road 9 ft. wide.	15.2
101.9	Bridge (12)	(679880)	Over canal, 16 ft. span, 17 ft. wide. Steel girder on brick. Wood decking.	14.5
102.1	Culvert (40)	(679880)	Small culvert, 21 ft. wide. Road 15 ft. wide.	14.3
102.6	Bridge (40)	(679879)	Over drain, 68 ft. span, 20 ft. wide. Steel on brick. Road 12 ft. wide plus 6 ft. pull off on to sand, right, firm. Three span.	13.8
102.8	Bridge (12)	(679879)	Over canal, 4 ft, span, 13 ft. wide. Brick. Road 13 ft. effective width, no pull off.	13.6
102.9	Culvert (40)	(679879)	13 ft. wide.	13.5
103.1	EL SHEIKH-GIBEILA	(679879)	Village.	13.3
103.5	GIBEILA	(679879)	Station. Culvert, 13 ft. wide. Road 12 ft.	12.9
104.1		(680878)	Macadam road surface M. 13 ft. wide. Road passes over sand patch. Sand on both sides is fairly firm and could be used for parking with care. If much traffic went over it, it would probably become soft.	12.3
105.0		(680877)	Banks left and right for 100 yds.	11.4
106.0	BENI AYUB	(679876)	Station.	10.4
106.9		(679875)	Re-enter cultivation.	9.5
107.1		(679875)	Dirt road, sandy surface for	9.3

Kms.				*Kms.*
			100 yds. 10 ft. wide.	
107.4		(679875)	Macadam road as above. Sand at sides too soft for parking but could be run on providing the speed of the vehicle is kept up.	9.0
108.0		(679874)	End of sand and macadam surface. Dirt road, sandy surface to 11 ft. wide.	8.4
109.2	Bridge (40)	(679873)	Over drain, 70 ft. total span, 20 ft. wide. Three span. Two side spans 20 ft. each, centre span 30 ft. R.C. on concrete. Concrete piles. Road 11–12 ft. wide.	7.2
109.3		(679873)	Road 10–11 ft. wide.	7.1
109.9	Culvert (40)	(680872)	Small 10 ft. wide.	6.5
110.2	KAFR EL FIDDAN.	(680872)	Small village 200 yds left.	6.2
110.7		(680872)	Sand hummocks 50 yds. left. Many small culverts under road all 12–16 ft. wide.	5.7
111.9		(680870)	Road 14 ft wide.	4.5
112.1	ABU HAMMAD	(680870)	Enter village. Road 15 ft. wide.	4.3
112.5		(680870)	Leave light railway.	3.9
112.6		(680870)	Level crossing *Note.*—Considerable delay–½ hour—may be experienced here. Bear right after crossing through town. Minimum width 13 ft.	3.8
113.1	Bridge (5)	(680869)	Over drain. Total span 33 ft., 8 ft. wide. Two span, one lifting span. Timber on brick.	3.5
	Road Junction		Join Alexandria–Ismailia road (Route No. 1). Turn left. Macadam road, surface M. 20 ft. wide. Drain left.	
113.8	Culvert (40)	(680869)	50 ft. wide.	2.8
115.4	Culvert (40)	(682870)	48 ft. wide.	1.2
116.1	Culvert (40)	(682870)	35 ft. wide.	0.5
116.4	Road Junction	(682870)	Join Cairo–Ismailia Road (Route No. 62.) Straight on to Cairo, turning left to Ismailia.	0.0

GROUP 6

Comprising all routes
beginning with 6

PORT TAUFIQ (766804)—PORT SAID (740950)
CANAL ROAD
(175.8 Kms. - 109.9 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 2 February 1943.

Start : H.Q. 80 Sub-Area at PORT TAUFIQ.

Limiting Factors :

Minimum Road Width	...	...	10 ft.
Minimum Bridge Classification	...	...	5
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	All Weather

GENERAL REMARKS

The road is macadamised throughout, and the surface is quite good except for some parts between SUEZ and FAYID, where there are some bad potholes.

There are no large towns after leaving SUEZ except ISMAILIA. Here, however, the road does not pass through the town itself, but goes around it.

After leaving SUEZ, the road passes for a short way through cultivation, but at KUBRI it passes mainly through sandy desert. After leaving KUBRI, there are some banks of sand to the right of the road, between it and the SUEZ Canal. There are also some to the left though to a lesser extent.

After the turning to KABRIT, Km. 35.9, there are ditches each side of the road almost to DEVERSOIR. From DEVERSOIR the road is more or less tree-lined until reaching GEBEL MARYAM.

The road from ISMAILIA to QANTARA runs through desert, most of which is rather soft, but from QANTARA to PORT SAID the road runs on a bank between the Sweetwater canal on the left and the SUEZ Canal on the right. This bank is very narrow and while the road is actually 20 ft. wide, the effect of the two canals left and right is to make it seem much narrower.

Only at the canal stations is the bank wider.

Traffic in PORT SAID is not heavy.

DETAILED REPORT

Kms.			*Kms.*
0.0	(766804)	Leave HQ, 80 sub-area in northerly direction. SUEZ canal right. Macadam road 23 ft. wide. Surface M–G.	175.8

Kms.				*Kms.*
0.4			Road turns left. Keep straight on to	175.4
0.5	Road Junction		Turn right. Turning left back to PORT TAUFIQ Railway left.	175.3
1.6			Road on causeway.	174.2
3.5	SUEZ	(765807)	End of causeway. Houses begin. Road 20 ft. wide.	172.3
3.9			Station left. Keep straight on. Road 25 ft. wide.	171.9
4.9	Road Junction		Turn right. Turning left to Route No. 2. (Route No. 620.) Level crossing. Many pedestrians. Road 30 ft. wide but winding.	170.9
5.5	Bridge (5)	(765809)	Road turns sharp left over bridge over lock. 27 ft. span, 11 ft. wide. Lift steel. Turn sharp left again. *Note* :—Caution must be exercised in negotiating this bridge. Road 20 ft. wide. Surface G.	170.3
5.8			Cultivated land with palm trees. Few buildings. No pull off.	170.0
8.8			Road on causeway. Ground swampy. Pull off left and right 3–8 ft. Surface M.	167.0
10.6			Pull off left and right 3 ft.	165.2
11.1			Trees left and right. End of causeway.	164.7
11.8	Road Junction		Join Route No. 2 at Km. 377.8.	164.0
12.0	Road Junction KUBRI	(767815)	Turning right to KUBRI ; ferry over SUEZ Canal.	163.8
12.1	Road Junction		Turning right to bridge over SUEZ Canal. (Route No. 2.)	163.7
12.7			From here to Km. 27.1 there are banks left and right with occasional gaps in them. Sometimes the road runs on a bank for short distances. Pull off left and right 3–4 ft.	163.1
15.5		(766817)	Canal station right. Trees. Pull offs up to 8 ft. in places.	160.3
16.9			Camps left.	158.9

Kms.				*Kms.*
21.3	Bridge (40)		6 ft. span, 30 ft. wide. R.C. and masonry.	154.5
22.3	SHALUFA	(766825)	Trees left. Canal station.	153.5
23.9			Salt marsh left.	151.9
27.1		(766830)	Road bends left. 30 ft. wide on bend. LITTLE BITTER LAKE right. Salt marsh left and right for 300 yds. then desert. Pull offs 6 ft.	148.7
28.5	SHANDUR	(764830)	Aerodrome right.	147.3
31.3	Road Junction		Entrance to aerodrome right.	144.5
32.7			Banks left and right. Desert broken but parking possible in places.	143.1
33.2			End of aerodrome. From here the sides of the road are very variable with steep banks. The desert is fairly firm and can be run on, but it is not always possible to pull off the road.	142.6
35.4			Camp area.	140.4
35.9	Road Junction	(759835)	Turning right to KABRIT.	139.9
36.8			End of camp area.	139.0
38.4			Aerodrome right.	137.4
39.2	Crossroads		End of aerodrome. Turning left to Treaty Road. (Route No. 622.) Turning right to aerodrome.	136.6
39.6	Bridge (40)		Over drain. 7 ft. span, 33 ft. wide. Two 1 ft. footpaths. R.C. and brick. Pull offs bad, 0–4 ft.	136.2
42.2	Bridge (40)		Over drain. 20 ft. span, 20 ft. wide. R.C. and brick.	133.6
43.5			Drain left. GREAT BITTER LAKE right. Surface potholed.	132.3
47.0	Culvert (40)		30 ft. wide.	128.8
47.3	Road Junction	(751840)	Turning left to Treaty Road and KASFEREET. (Route No. 623.)	128.5
49.4			Level crossing. Decauville track.	126.4
49.8			Level crossing. Decauville track.	126.0
50.0	Road Junction		Entrance to FANARA Wharf right.	125.8

Kms.				*Kms.*
50.3			Level crossing.	125.5
50.8			Level crossing.	125.0
53.8	Road Junction		Turning left to Treaty Road. Level crossing. Decauville track.	122.0
54.0			Level crossing. Decauville track.	
	Culvert (40)		40 ft. wide.	121.8
56.8	Road Junction	(743844)	Turning left to Treaty Road. (Route No. 624.) Pull offs 3–4 ft.	119.0
61.0	Road Junction	(740848)	Canal station FAYID right. Route No. 625 turns off left.	114.8
61.7	Culvert (40)		30 ft. wide. Ditches left and right.	114.1
64.2	Culvert (40)		30 ft. wide.	111.6
68.4	Road Junction	(741855)	Turning left to ABU SULTAN and Treaty Road. (Route No. 626.)	107.4
68.7			ABU SULTAN wharf right.	107.1
69.1			End of wharf.	106.7
69.5			Level crossing.	106.3
70.4			Lake away from road right.	105.4
70.5			Aerodrome left.	105.3
72.3			Road bends left. Trees left and right.	103.5
72.8	Road Junction	(745857)	Turning right to DEVERSOIR. Camp right.	103.0
73.2			End of aerodrome. Turning left to camp. Join SUEZ canal right.	102.6
74.1			Pull offs 4–5 ft. but soft. End of trees right.	101.7
77.9			Camp left. Trees right.	97.9
80.2			End of trees right.	95.6
83.2		(743867)	Canal station TUSUN right.	92.6
83.7			End of trees left. Open sandy desert left.	92.1
85.3			Lagoons left.	90.5
86.6	GEBEL MARYAM	(740871)	S.M.E. left.	89.2
86.7	Bridge (18)		Over outflow, 33ft. span, 14 ft. wide. Steel and timber decking.	89.1
87.8			Hill left for 200 yds.	88.0

Kms.				*Kms.*
88.5			Road bends left. 25 ft. wide on bend. Lake TIMSAH right. Flat desert left.	87.3
89.7			Sand dunes left.	86.1
90.2			Sand dunes right.	85.6
90.4			End of sand dunes left.	85.4
92.4	Bridge (18)		Over outlet. Three span, 90 ft. total span, 11 ft. wide. R.C.	83.4
92.7			Road winding to Km. 93.6.	83.1
92.9			Settlement.	82.9
93.6			Old road to left. Palms left and right.	82.2
93.9			End of palms.	81.9
94.3			Rejoin old road. Settlement left.	81.5
95.0	Road Junction	(736875)	Turn left.	80.8
	Bridge (5)		Over canal. Fixed span each side. Each 30 ft span. Central lift span, 30 ft. span, 10 ft. wide. Steel girder timber decking, brick abutments. Overhead clearance 14 ft. 2 ins.	
	ISMAILIA		Join Route No. 1 at Km. 782.6	
101.9		(741878)	Leave Route No. 1 at Km. 789.5 Keep straight on. Desert smooth but rather soft. No pull offs. Railway left.	73.9
103.3			Pull off left and right 2–4 ft. restricted by kilometre posts. End of camps. Mounds right.	72.5
105.5	Road Junction		Turning left to camps.	70.3
106.0			Blown sand left, sparse scrub right.	69.8
108.5			Road approaches canal right.	67.3
110.8	EL FIRDAN	(743885)	Station left.	65.0
111.4	Road Junction		Turning right to PALESTINE. (Route No. 83.) Level crossing. Camps left and right.	64.4
112.3			Level crossing.	63.5
112.8			Camp left, mounds right.	63.0
113.7			Camp right.	62.1
114.7			SUEZ canal 20 yds. right.	61.1
116.1			Swampy ground over railway left.	59.7

Kms.				*Kms.*
116.9			Desert sandy left.	58.9
118.8			Bank right. Pull off left and right 8–14 ft.	57.0
119.6	Road Junction		Turning left to camps.	56.2
120.3	EL BALLAH	(741896)	Station left.	55.5
123.9			Ground swampy left.	51.9
126.3	Road Junction		Turning left to Treaty Road (Route No. 629.) Desert sandy and hummocky.	49.5
128.4	Road Junction		Turning left to Treaty Road.	47.4
128.6			Canal joins road left. Road on bank between Sweetwater canal left and SUEZ canal right.	47.2
129.3	QANTARA	(741906)	S-bend. Level crossing. Wharf right. Road 25 ft. wide.	46.5
130.5			Road 20 ft. wide. No pull off right due to mooring posts. Pull off left 1–2 ft. Road on bank.	45.3
131.6	Road Junction		Turning left to Treaty Road.	44.2
139.7	LE CAP	(740916)	Station.	36.1
147.2			Wide place left for 300 yds.	28.6
150.4	EL TINA	(740926)	Station.	25.4
160.8	RAS EL ISH	(739937)	Station.	15.0
170.3			Sweetwater canal away to left.	5.5
171.4			Road turns left away from SUEZ canal. Trees right. Cultivation.	4.4
171.5	Bridge (5)		Over canal. Pontoon, one fixed span 63ft., one swing span 63 ft. and two fixed spans each 63ft. span, 10 ft. wide.	4.3
171.6	Road Junction		Turning left to Treaty Road. Pull offs 8 ft. restricted by barrels to 3 ft.	4.2
	PORT SAID		Enter town.	
172.6	Road Junction		Turning right to camps and docks.	3.2
172.9			Docks right.	2.9
173.1			Two level crossings. Road 23 ft. wide.	2.7

Kms.			*Kms.*
174.2		Level crossing. Road 30 ft. effective width.	1.6
174.4		Two level crossings.	1.4
174.9		PORT SAID station left. End of railway. Crossroads. Straight on PORT SAID town. Turn right.	0.9
175.2		Road turns left.	0.6
175.6		Turn right.	0.2
175.8	(739950)	Entrance to Ferry across SUEZ canal.	0.0

From ROAD JUNCTION (765814)—PORT SAID (739948)

(156.2 Kms. - 97.6 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 26 January 1943.

Start : Road Junction Km. 375.5 on Route No. 2.

Limiting Factors :

Minimum Road Width ...	....	10 ft.
Minimum Bridge Classification ...	...	18
Minimum Overhead Clearance ...	...	14 ft. 1½ ins.
All Weather or Dry Weather Road	...	All Weather

GENERAL REMARKS

Except for a small amount of cultivation near NEFISHA and approaching KANTARA, the road runs through desert as far as Km. 120. From there to PORT SAID, it runs on a causeway over LAKE MANZALA.

Most of the desert as far as Km. 57 is suitable for running on, but from there to the junction with Route No. 1, it is too soft. consisting mainly of blown sand. After leaving the cultivation at Km. 79.2, the desert is rather rough and cannot be run on, but is usually firm enough for parking. Parts of the areas at the sides of the road are swampy and amount of swamp increases until finally the road runs on a causeway with water each side of it at Km. 120.3. There are, however, a few drier patches, but departure from the road is not possible. The causeway is made of soil and at the time of the recce. was rather soft and wet. It will, however, become firmer as it dries out and it will then be possible to run on the pull offs.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(765814)	Leave Route No. 2. Road, macadam, 20 ft. wide. Surface M. Pull off left and right restricted to 3 ft. by old bitumen drums. Railway to right of road.	156.2
2.6			Aerodrome left.	153.6
4.2			Entrance to aerodrome left.	152.0
5.2			Railway away to right.	151.0
10.1			Entrance to aerodrome right.	146.1

Kms.				*Kms.*
13.4			Camp right.	142.8
14.8			Camp right.	141.4
19.7	Road Junction	(755827)	Back turning left to CAIRO (Route No. 600).	136.5
22.7			Desert becoming soft.	133.5
23.2	Road Junction		Turning right to camps.	133.0
25.0	Road Junction		Turning right camps.	131.2
25.7			Level crossing.	130.5
26.2	Road Junction	(752834)	Turning right to Canal Road (Route No. 622).	130.0
27.2	GENEIFA	(752834)	Station right.	129.0
27.6			End of camps. Pull off 3–8 ft.	128.6
30.6			Aerodrome right.	125.6
31.1	FAYID		Beginning of camp area.	125.1
33.2	Road Junction	(749839)	Turning right to Canal Road (Route No. 623).	123.0
34.1			From here to Km. 44.1 there are many roads leading to camps which are not noted here.	122.1
39.4	Road Junction	(744841)	Turning right to Canal Road (Route No. 624).	116.8
40.6			Level crossing. Decauville track.	115.6
43.2	Road Junction	(742844)	Turning right to Canal Road (Route No. 625).	113.0
44.1			End of camp area. Open desert firm.	112.1
45.6			Camps left.	110.6
46.3			Level crossing.	109.9
46.7	Road Junction	(739847)	Track right to FAYID station.	109.5
48.6			End of camps left. Desert level, fairly firm.	107.6
50.5			Camp left. Banks on sides of road.	105.7
56.1	Road Junction	(737856)	Turning right to ABU SULTAN and Treaty Road. (Route No. 626). Desert becoming too soft for running on.	100.1
62.8	Road Junction	(736963)	Turning right to SERAPEUM station. (Route No. 627.)	93.4
64.5			Desert hilly with soft sand dunes.	91.7
65.2			Patches of palms.	91.0

Kms.				*Kms.*
65.6			Road on bank for 100 yds.	90.6
70.7			Huts right.	85.5
71.2			Beginning of cultivation. Many small culverts 40 ft. wide, to Km. 72.2	85.0
71.7	Bridge (40)		Over canal. 45 ft. span, 24 ft. wide. Two 2 ft. footpaths. R.C. and brick.	84.5
72.2			End of cultivation. Settlement left.	84.0
72.6			Surface B.	83.6
74.5	Road Junction	(733873)	Turning right to MOASCAR and for vehicles over 18 tons.	81.7
	Bridge (18)		Over ISMAILIA Canal in three parts :— (1) Fixed span 22 ft. span. (2) Lift span, 40 ft. span. (3) Two span, total 55 ft. All 10 ft. wide. Steel girder on concrete.	
74.6	Road Junction	(733874)	Join Route No. 1 at Km. 779.6 Turn left.	81.6
75.6	Road Junction		Turning right to camp.	80.6
76.4			Road on bank.	79.8
78.0	Road Junction	(729874)	Turn right. Straight on to CAIRO. Leave Route No. 1. Cultivation. Pull off left and right 3–5 ft.	78.2
79.2			End of cultivation. Desert soft.	77.0
	Bridge		Railway over road. 14 ft. 1½ ins. clearance, 38 ft. wide.	
81.3			Desert firm but rough.	74.9
81.9			Camp.	74.3
82.0	Road Junction		Turning left to camp.	74.2
82.7	Road Junction		Turning right to MOASCAR. Barrels reduce pull offs to 3 ft.	73.5
85.5			Camp.	70.7
85.9			Trees.	70.3
86.1	Bridge (40)	(734879)	Over canal. 85 ft. span, 25 ft. wide. Steel girder. Two 3 ft. footpaths.	70.1

Kms.				*Kms.*
	Road Junction		Turn left. Right to ISMAILIA. Canal left. Bank right, desert rather soft.	
90.1	Road Junction	(736883)	Turning right to Canal Road and Palestine. (Route No. 628). Desert scrub-covered right with patches of cultivation.	66.1
91.3			Barbed wire fence right for 300 yds. with trees.	64.9
97.4			Trees right for 700 yds.	58.8
98.1			Canal away to left.	58.1
99.2			Road on bank. Desert covered with rushes. Some culverts 40 ft. wide.	57.0
99.5			End of rushes. Desert sandy. Aerodrome right.	56.7
104.6			Bushes for 200 yds.	51.6
107.6			Camps right and left.	48.6
108.8	Road Junction		Turning right.	47.4
110.0	Road Junction		Right to Canal Road. (Route No. 60.)	46.2
110.2			Walled camp right.	46.0
111.0	Road Junction	(738901)	Turning right to Canal Road. (Route No. 60). No departure.	45.2
111.7	Road Junction		Turning right to KANTARA.	44.5
	Bridge (40)		Over canal. 25 ft. span, 25 ft. wide. Steel girder, timber decking, concrete abutments. Road widens to 25 ft. while crossing bridge. Cultivated land. There are many culverts 36 ft. wide from here to Km. 115.4. Pull offs bad.	
115.1			Settlement.	41.1
115.4			End of cultivation.	40.8
	Road Junction	(740906)	Turning right to Canal Road. Pull off left and right 4 ft. soft. Railway, canal, canal road and SUEZ Canal 400 yds. right.	
116.5			Desert swampy or covered in scrub. Road on a bank.	39.7

Kms.				*Kms.*
119.1			Trees right, limited patches of cultivation left.	37.1
120.3			Cutting through bank. Water left and right.	35.9
124.2	LE CAP	(740916)	Settlement and station.	32.0
132.2	Road Junction	(739924)	Turning right to Canal Road.	24.0
134.3	EL TINA	(739926)	Station right.	21.9
144.4	RAS EL ISH	(739937)	Station right.	11.8
155.4			Join railway right.	0.8
155.5	Bridge (40)	(738948)	Over canal. Shared with railway.	0.7
155.6	Road Junction		Turn right. Straight on to PORT SAID town.	0.6
156.2	Road Junction	(739948)	Join Canal Road at Km. 171.6. (Route No. 60).	0.0

CAIRO MAIN STATION (639817)—EL ABBASA (683870)

(76.9 Kms. - 48.1 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 28 December 1942.

Start : MIDAN BAB EL HADID in front of CAIRO Main Railway Station.

Limiting Factors :

Minimum Road Width ...	...	20 ft.
Minimum Bridge Classification ...	...	40
Minimum Overhead Clearance ...	...	12 ft. 6 ins.
All Weather or Dry Weather Road	...	All Weather

GENERAL REMARKS

After leaving CAIRO, the road runs through cultivated land. From Km. 11.6 (Map ref. 643824) the road runs along a bank parallel to the ISMAILIA Canal. On account of this, the left pull off is often bad where the bank has been eroded away. The right pull off is better, but in places is soft.

Apart from CAIRO, there are no big towns, but care must be taken in passing through the villages and settlements on account of the number of pedestrians and animal traffic.

DETAILED REPORT

Kms.				*Kms.*
0.0		(639817)	Leave MIDAN BAB EL HADID in NE. direction parallel to Main railway. Double carriage-way each 23 ft. wide. Macadam surface G.	76.9
0.2			Trams and railway left.	76.7
2.3			S-bend right and left.	74.6
2.5	Road Junction		Turn left, straight on to SUEZ (Route No. 2) Single carriage-way, 50 ft. wide.	74.4
3.0	Bridge (40)		Road under railway and trams, 33 ft. wide. Two 4 ft. footpaths. Clearance 12 ft. 6 ins.	73.9
4.6			Fork right.	72.3

Kms.				*Kms.*
5.6	Road Junction		Turn left around round-about. Right : by-pass to low bridge at Km. 3.0.	71.3
5.8			Sharp bend right. Road narrows to 25 ft. Cultivation left. Plantation right.	71.1
7.1			Wall right. Road narrows to 20 ft.	69.8
8.3			End of wall right. Few houses.	68.6
9.2	Crossroads		Turn left. Right to HELIOPOLIS Join Route No. 2.	67.7
10.2			Level crossing. Decauville track.	66.7
10.8	Culvert		Small.	66.1
10.9			Small canal and drain right.	66.0
11.6	Bridge (40)	(643824)	Over canal, 16 ft. span, 33 ft. wide. Two 3 ft. footpaths, R.C. and brick.	65.3
	Road Junction		Turning right to SIRYAQUS.	
	Bridge (40)		Over ISMAILIA canal. Two fixed spans, 3 ft. span each. Steel centre swing, 90 ft. span. 33 ft. wide. Two 2 ft. footpaths.	
11.7	Road Junction		Turn right. Turning left to SHUBRA. ISMAILIA canal right. Road 20 ft. wide on a bank. Pull off left (cut in places) and right 6–8 ft.	65.2
12.5	MUSTURUD		Village left.	64.4
12.9			Drain left.	64.0
15.9			Settlement.	61.0
16.1	Road Junction	(644829)	Turning left to BARRAGE (Route No. 2)	60.8
18.7			Bridge (regulator) over canal right.	58.2
21.4	Culvert (40)		Small.	55.5
22.2			Parking right for ½ mile.	54.7
23.5			Village left.	53.4
23.8	Road Junction	(647836)	Fork right, fork left to SHIBIN EL QANATIR.	53.1
24.4			Settlement left.	52.5
24.7	Culvert (40)		Small.	52.2

Kms.				*Kms.*
25.1	Culvert (40)		Small.	51.8
25.6			Pull offs bad.	51.3
26.3			Village over canal right.	50.6
	Two Culverts (40)		Small and buried deep. Pull off left 1–3 ft., right 2–3 ft. to Km. 36.0. Pull offs are soft.	
36.2			Parking left and right between trees lining road for distance. Thereafter pull off left and right 2–3 ft. with some bad places left.	40.7
36.9			Orange grove left.	40.0
37.6			Beginning of Royal Domains over canal right.	39.3
37.9	Culvert (40)		Small.	39.0
40.1	Culvert (40)		Small.	36.8
40.6	EL ZAWAMIL	(657849)	Settlement left.	36.3
40.8			Bridge over canal right. Surface B.	36.1
43.6			Bridge over canal right.	33.5
	Road Junction	(659850)	Turning left to INCHAS.	
	Bridge (40)		Over canal. Two span, 7 ft. each, 21 ft. wide. R.C. and brick. Regulator. Surface M. Parking right to Km. 49.4 but care must be used as it is rather soft.	
45.9			Pull off left badly cut.	31.0
49.4			End of Royal Domains.	27.5
50.1	GHITA		Village left.	26.8
52.9			Plantation left.	24.0
53.3	EL ADLIYA	(668854)	Settlement left.	23.6
55.4	BILBEIS	(669856)	Village left. Some sharp bends in village.	21.5
55.8	Crossroads.		Left to ZAGAZIG (Route No. 63). Right over regulator to FAYID.	21.1
55.9			Parking left and right for 150 yds. Pull off left and right 2–4 ft.	21.0
57.9	Bridge (40)		Over canal. 42 ft. span, 25 ft. wide. R.C. and brick. Two 3 ft. footpaths.	19.0

Kms.				*Kms.*
58.9			Settlement left.	18.0
59.5			Ferry over canal right.	17.4
59.8			Ferry over canal right.	17.1
62.5			Settlement right.	14.4
65.3			Ferry over canal right to BASSATIN BARAKAT. Suitable for light cars.	11.6
66.7			Settlement left.	10.2
67.2			Ferry over canal right.	9.7
67.9	Culvert (40)		Small.	9.0
69.5			Surface B.	7.4
70.2			Settlement left.	6.7
70.9			Ferry over canal right.	6.0
71.3	Culvert (40)		Small.	5.6
72.7			Ferry over canal right.	4.2
73.4	Culvert (40)		Small.	3.5
74.3			Surface M.	2.6
76.1	EL ABBASA	(683869)	Village left.	0.8
76.4			Road turns left.	0.5
76.9		(683870)	Join Route No. 1 at Km. 727.2.	0.0

Section :

ZAGAZIG (657878)—MANSURA (652926)

(52.6 Kms. - 32.9 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 7 December 1942.

Start : Main ALEXANDRIA—ISMAILIA Road (Route No. 1). Turn left at KAFR EL LUSUS.

Limiting Factors :

Minimum Road Width	...	...	8 ft.
Minimum Bridge Classification	...	...	9
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	Dry Weather

GENERAL REMARKS

The road runs through cultivated land throughout. The first part of the road as far as SIMBILLAWEIN is narrow with a bad surface. There is some traffic which is however light, but the road is so narrow in some places that in the case of meeting another vehicle it is necessary to wait at one of the wider parts to pass. There is a bus service between MANSURA and ZAGAZIG.

The road is watered. In the case of the narrow parts the whole road is watered at the same time and care must be exercised to avoid skidding. In the wider parts, half at a time is watered and vehicles should run with the wheels on one side of the vehicle on the dry part.

The widths given for the road include verges, if present, unless otherwise stated.

The towns are difficult to pass through as the streets are crowded with pedestrians and animals. Furthermore, the route is not always easy to find. These remarks apply particularly to SIMBILLAWEIN.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(657878)	Turn left off Route No. 1 at KAFR EL LUSUS. Dirt road. Surface M. 13 ft. wide. Light railway parallels road left.	51.7
0.2	Culvert (40)	(657878)	Culvert 12 ft. wide.	51.5
0.9	Culvert (40)	(658788)	Culvert 12 ft. wide.	50.8

Kms.				*Kms.*
1.4	Culvert (40)	(659878)	Culvert over drain, 30 ft. wide. Level crossing, light railway.	50.3
1.7	EL QANAYAT	(659879)	Village. Level crossing, turn left. Road 11 ft. wide. Light railway parallels road left. Minimum road width in village 10 ft.	50.0
2.3		(659879)	Leave village. Wider places up to 13 ft., effective width of road 8 ft. due to telegraph poles right and light railway left.	49.4
2.8		(659880)	11 ft. effective width.	48.9
3.2	Bridge (9)	(659880)	Bridge over canal. 9 ft. span, 12 ft. wide. Timber on brick. Scattered settlement.	48.5
3.8	Culvert (40)	(659880)	Culvert 12 ft. wide. Road width 9 ft.	47.9
4.4		(659881)	Road crosses to left of railway, width 9–10 ft.	47.3
4.9		(659882)	Narrow piece 8 ft. wide.	46.8
5.0	Bridge (9)	(659882)	Bridge over canal. 7 ft. span, 12 ft. wide. Timber and brick. Road 8–9 ft. wide.	46.7
	Culverts (40)		Many small culverts.	
5.5		(659882)	Road crosses to right of railway 10–11 ft. effective width.	46.2
5.9	Bridge (12)	(659883)	Bridge over canal. 4 ft. span, 10 ft. wide. Brick arch.	45.8
6.6	Culvert (40)	(659884)	Small culvert 8 ft. wide.	45.1
7.1		(659884)	Some wider places up to 12 ft.	44.6
7.4	FARSIS	(659884)	Station left.	44.3
8.5		(659885)	Canal right. Road 12–14 ft. wide.	43.2
8.7	Bridge (12)	(659886)	Bridge over canal. 5 ft. span, 10 ft. wide. Canal goes off left. Road 9–10 ft. wide.	43.0
9.2		(659886)	Some wide places between telegraph poles up to 13 ft.	42.5
9.3	Bridge (9)	(659886)	Over drain. 8 ft. span, 24 ft. wide. Brick. Road 10 ft. effective width for 20 yds. then as above.	42.4

Kms.				*Kms.*
10.0	IKWA	(659887)	Village. Minimum width 9 ft.	41.7
10.4		(659887)	Road 12 ft. effective width with some wider places.	41.3
10.6	Bridge (9)	(659887)	Over drain. R.C. and brick. 9 ft. span, 20 ft. wide. Road 20 ft. wide. Drain right.	41.1
11.6		(659888)	Road narrows to 12 ft.	40.1
11.8		(659889)	Narrow place 9 ft. wide. Road 10–11 ft. wide.	39.9
13.1		(659890)	Road crosses to left of railway.	38.6
13.3	Bridge (40)	(659890)	Over canal. 9 ft. span, 16 ft. wide. R.C. and brick.	38.4
	SAFT ZIREIQ		Village and station.	
14.0		(659891)	Canal right. Road 9–10 ft. wide. Surface B.	37.7
16.2	Road Junction	(659893)	Turning right to HIHYA. (Route No. 602.) Bridge over drain. Five span, 40 ft. total, 15 ft. wide. R.C. and brick.	35.5
16.4	DIYARB NIGM	(659893)	Station.	35.3
	Road Junction		Turning left to MIT GHAMR. (Route No. 602.) Winding road, minimum width 9 ft.	
16.8		(659894)	Level crossing.	34.9
16.9		(659894)	Level crossing to Shell depot siding. Canal and light railway right. Effective width 11–12 ft.	34.8
17.8	Bridge (12)	(659895)	Over drain. 5 ft. span, 16 ft. wide. Brick arch. Road 11 ft. wide.	33.9
18.0	Bridge (40)	(659895)	Culvert 18 in. span, 9 ft. wide.	33.7
18.5	Bridge (40)	(659895)	Over drain. 28 ft. span, 17 ft. wide. R.C. and brick. Two 18 in. footpaths.	33.2
18.9		(659896)	Small settlement.	32.8
19.7	Bridge (12)	(659897)	Over canal (control). 4 ft. span, 18 ft. wide. Brick arch. No canal right.	32.0
19.9	BARAMKIM	(659897)	Station. Road 11 ft. wide.	31.8
20.6	Bridge (9)	(659898)	Over drain. 6 ft. span, 11 ft. wide. Brick arch. Road 10–11 ft. wide.	31.1

Kms.				*Kms.*
20.9		(659898)	Wide places up to 14 ft. for 200 yds.	30.8
21.4	DEBICUE	(659898)	Station.	30.3
21.6	Bridge (9)	(659899)	Over canal. 5 ft. span, 10 ft. wide. Brick arch. Road 9 ft. wide.	30.1
22.3		(659899)	Road 10 ft. wide.	29.4
22.7		(659900)	Small settlement.	29.0
22.8		(659900)	Narrow places 8 ft. wide. Wide place 30 ft.	28.9
24.4	Bridge (40)	(659901)	Over canal. 6 ft. span, 14 ft. wide. R.C. and brick.	27.3
	SHEIKH EL KASMY		Station. Small drain left. Road 11 ft. wide, but with 6 ft. pull off each side. These are rough and could not be run on. Only for parking.	
25.1	Bridge (12)	(659902)	Over drain. 10 ft. span, 17 ft. wide. Brick arch. End of pull off. Small settlement 200 yds. right.	26.6
25.6	Culvert (40)	(659903)	9 ft. wide.	26.4
26.8		(659904)	Small village.	24.9
27.0	Bridge (40)	(659904)	Over canal. 27 ft. span, 20 ft. wide. Two 4 ft. footpaths on R.C. brackets. R.C. and brick. Wide place 30 ft. just over bridge. Road 11 ft. wide.	24.7
28.2		(659905)	Bad place.	23.5
28.9		(659906)	Level crossing. Railway branches off left. Road 13–14 ft. wide.	22.8
29.1	Culvert (40)	(659906)	Narrow place 10 ft.	22.6
29.4	Bridge (12)	(659906)	Over drain. 8 ft. span, 17 ft. wide. Brick arch.	22.3
29.8		(659907)	Road 20 ft. wide.	21.9
30.1	Road Junction	(659907)	Back turning left to MIT GHAMR. Narrow place.	21.6
	SIMBILLAWEIN		Enter town.	
30.4	Bridge (40)	(659907)	Bridge over canal. 30 ft. span, 24 ft. wide. Two 2 ft. footpaths. R.C. and brick. Road between houses 15 ft. wide.	21.3

Kms.				*Kms.*
30.9		(659908)	Keep straight on to canal across end of road. Turn right for 200 yds., turn left over bridge over canal (10 ft. span, 20 ft. wide. Rendered brickwork). After crossing bridge, turn right for 100 yds. then left for 30 yds., then bear right to MANSURA.	20.8
31.1	Bridge (12)	(659908)	Over canal (control). 20 ft. span, 25 ft. wide. Two span. Brick arch.	20.6
31.3		(659908)	Road 25 ft. wide.	20.4
31.5		(659908)	Road 15 ft. wide.	20.2
32.2		(658909)	End of town. Railway right. Road 25 ft. effective width. Surface M. Small drain right.	19.5
33.7	Bridge (40)	(658910)	Over canal. 29 ft. span, 20 ft. wide. R.C. and brick. Two 18 in. footpaths.	18.0
35.1	Bridge (40)	(657911)	Over drain. 16 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths. Narrow place 20 ft.	16.6
37.2	Bridge (40)	(656613)	Over drain. 17 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths.	14.5
38.1		(656914)	Narrow place 12 ft. wide. Steel pipe (24 ins.) under road and over drain right.	13.6
38.8		(656915)	Narrow place 15 ft. wide. Steel pipe under road and over drain.	12.9
39.1		(655915)	Narrow place 20 ft. wide.	12.6
39.6	Bridge (40)	(655915)	Over drain. 16 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths. Road 25 ft. effective width. Parking for 30 cars right.	12.1
	Crossroads		Left to AGA and MIT GHAMR. Right to TILBANA. End of drain right.	
40.1	EL BAQLIYA	(655916)	Village. Minimum road width 16 ft.	11.6
40.5		(655916)	Road 22 ft. wide.	11.2
41.0		(655917)	Road 20 ft. wide.	10.7

Kms.				*Kms.*
42.4		(654918)	Road 18 ft. wide.	9.3
42.9	Bridge (40)	(654918)	Over canal. 20 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths. Road 22 ft. wide.	8.8
43.3	Bridge (40)	(654919)	Over drain. 33 ft. span, 20 ft. wide. R.C. and brick. Two 1 ft. footpaths.	8.4
45.2	SHAWA	(653921)	SHAWA Station right.	6.5
45.6	Road Junction	(653921)	Back turning left to AGA.	6.1
	Bridge (9)		Over drain. Three span. 55 ft. total span, 10 ft. wide. Steel girder and pipe piers. *Note.*—The approaches to this bridge from both sides are dangerous. Road tree-lined. Effective width 19 ft.	
46.4		(653923)	Effective width 17 ft.	5.3
47.4	Crossroads	(652923)	Left to AGA (Route No. 64), right to MANSURA Bridge and DIKIRNIS. Straight on to MANSURA town. Turn right over level crossing. Surface B. Width 17 ft. canal left.	4.3
47.6	Bridge (12)	(652923)	Bear left. Bridge over canal. 16 ft. total span, 12 ft. wide. Two span. Brick arch.	4.1
47.7	Road Junction	(652923)	Bear left, right to DIKIRNIS. Culvert 22 ft. wide (control) 20 ft. total span, 24 ft. wide. Brick arches.	4.0
	Culvert (40)		Big canal left. Culvert 24 ft. wide. Road 20 ft.	
49.7		(653925)	Macadam road, 30 ft. wide. Surface M with some potholes.	2.0
50.3		(653926)	Level crossing, light railway. Road 12 ft. effective width.	1.4
50.7	Bridge (40)	(653926)	Turn left over swing bridge over canal.	1.0
50.8		(653927)	Turn right immediately after bridge and keep straight on as far as River NILE, where road turns left.	0.9

Kms.				*Kms.*
51.5	Road Junction	(652926)	Take small road right to river.	0.2
51.7		(652926)	MANSURA BRIDGE.	0.0

Note.—An alternative route to MANSURA Bridge is as follows :—

50.7		(653926)	After crossing bridge over canal keep straight on.	1.9
51.4		(652926)	Turn left and bear right under railway. Two span bridge. Two 10 ft. carriageways. Two 4 ft. footpaths. Turn right and bear right all the time up to ramp to—	1.2
52.2	Bridge (24)	(652926)	Over railway. At end of down ramp take a hairpin bend left to—	0.4
52.6		(652926)	MANSURA BRIDGE.	0.0

Note.—MANSURA Bridge is mainly for carrying the railway but has a carriageway each side (width 8 ft. 3 ins.). The maximum load is 3 tons. There is one-way traffic on each carriageway.

Section :

CAIRO (639817)—BENHA (632860)

(44.1 Kms. - 27.6 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 20 November 1942.

Start : Railway bridge south of CAIRO Main Station.

Limiting Factors :

Minimum Road Width	...	...	20 ft.
Minimum Bridge Classification	...	...	40
Minimum Overhead Clearance	...	...	14 ft. 7 ins.
All Weather or Dry Weather Road		...	Dry Weather

DETAILED REPORT

Kms.				*Kms.*
0.0	Bridge (40)	(639817)	Over main railway from CAIRO Station. Steel bowstring, clearance 14 ft. 7 ins. Double tramlines on right of road over bridge. Macadam road. Surface M.	44.1
0.2		(639817)	Tramlines in centre of road. Total width 51 ft.	43.9
1.6		(638818)	Tram Depot.	42.5
3.0		(638820)	Tramlines on left of road.	41.1
4.2	Bridge (40)	(638821)	Tram terminus. Bridge over ISMAILIA Canal. Steel, 18 ft. wide.	39.9
4.7		(638822)	Surface B.	39.4
5.2		(638822)	Surface M.	38.9
5.9	SHOUBRA	(639823)	Station. Parking space for 15 cars.	36.2
7.3	Road Junction	(638824)	Turning left to BARRAGE. (Route No. 641.) Road 16 ft. wide. Pull off left and right, 5–6 ft. each. Canal parallels road left and railway right.	36.8
7.4	Bridge (40)	(638824)	Over canal. 120 ft. total span. Three spans. Steel. 15 ft. wide.	36.7

Kms.				*Kms.*
8.3	Road Junction	(638825)	Turning right for SHIBIN EL QANATIR.	35.8
8.4	Culvert (40)	(638825)	Small.	35.7
9.5	Bridge (40)	(637826)	R.C. and brick. 15 ft. wide.	34.6
13.9	QALYUB	(636830)	Station.	30.2
	Crossroads		Turning left to BARRAGE. Turning right to BALAQS (Route No. 2).	
14.2	Culvert (40)	(636830)		29.9
15.0	Road Junction	(636831)	Turning right to SHIBIN EL QANATIR (Route No. 601).	29.1
16.5	Bridge (40)	(636833)	Over canal. R.C., brick abutments. 30 ft. span, 16 ft. wide.	27.6
19.9		(636836)	Concrete road, surface G. 20 ft. wide.	24.2
21.3	SINDIYUN	(635837)		22.8
23.7		(635839)	Macadam road, surface M.	20.4
24.6		(635841)	Mohammedan cemetery left.	19.5
25.1	QAHA	(635841)		19.0
26.0		(635842)	Power station left.	18.1
27.8	Bridge (40)	(635844)	Road crosses over to right of railway. Bridge over drain. R.C. and brick. 32 ft. span, 30 ft. wide, 15 ft. to water level. Dirt road, surface M. Stone stacked left, giving effective width of road of 15 ft.	16.3
30.9	Bridge (40)	(634847)	Over canal. R.C., brick abutments. 27 ft. span, 27 ft. wide.	13.2
33.3	TUKH	(634849)		10.8
	Crossroads		Turning left to EL BARASHIM, right to SHIBIN EL QANATIR.	
35.1		(634851)	Mohammedan cemetery right.	9.0
35.9		(634852)	Parking space for 8 cars right.	8.2
37.5 to 38.2		(633853) (633854)	Orange grove right.	5.6 to 4.9
	Bridge (40)		Over canal. R.C. and brick. 22 ft. span, 29 ft. wide.	
39.6	Road Junction	(633855)	Turning right to MARSAFA.	4.5
39.8	Road Junction	(633856)	Turning left to BILTAN.	4.3
	SANDANHUR		Station.	

Kms.				*Kms.*
42.0	Bridge (40)	(633858)	Over canal. R.C., brick abutments. 30 ft. span, 30 ft. wide.	2.1
44.0	Road Junction	(633860)	Turning right to MINYET EL QAMH. (Route No. 65.) Light railway passes over road, 21 ft. span clearance.	0.1
44.1	Bridge (40)	(632860)	BENHA Bridge over TAUFIQI Canal. Two side spans, R.C. on brick, 39 ft. span, 21 ft. wide each. Swing centre span, steel girder, 120 ft. span, 21 ft. wide.	0.0

Section :

MANSURA (652923)—MIT GHAMR (641888)

(39.5 Kms. - 24.7 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 12 December 1942.

Start : Route No. 63 at crossroads Km. 47.4.

Limiting Factors :

Minimum Road Width	... ...	12 ft.
Minimum Bridge Classification	... ...	9
Minimum Overhead Clearance	... ...	U
All Weather or Dry Weather Road	...	Dry Weather

GENERAL REMARKS

The road runs through cultivated land throughout and it is not possible to pull off the road except where stated in the text. The greater part of the road is unsuited for much two-way traffic on account of the delay which would be incurred in vehicles passing.

Traffic is fairly light, but there are many pedestrians and animals. There is a bus service. The road is mainly used as being on the direct route from CAIRO to MANSURA.

The road is watered throughout and, on account of its narrowness in many places, is done all at once and care must be taken to avoid skidding. The bridges over the MANSURIYA Canal which parallels the road for its whole length are mostly suitable for loads not exceeding 3 tons, except where otherwise stated.

DETAILED REPORT

Kms.				*Kms.*
0.0		(652923)	Leave Route No. 63 at cross-roads Km. 47.4 Dirt road surface M–G. 16–18 ft. wide.	39.5
	SANDUB		MANSURIYA canal. Village over canal right.	
0.5	Culvert (40)	(652922)	Culvert 18 ft. wide. Road 15 ft. effective width. Road very near canal.	39.0
0.9		(652922)	Road 24 ft. effective width.	38.6
1.1		(651922)	Narrow place 12 ft. wide.	38.4

Kms.				*Kms.*
1.2		(651922)	Slight S-bend left and right. Small canal between road and MANSURIYA canal. Road 16 ft. wide.	38.3
1.4		(651922)	Narrow place 12 ft. wide. Road 14–16 ft. wide.	38.1
2.6		(650921)	Narrow place 12 ft. wide.	36.9
3.3		(650921)	Road 15 ft. wide.	36.2
3.5	NIQEITA	(650921)	Footbridge over canal right to NIQEITA.	36.0
3.9		(649920)	Verge 7 ft. wide right suitable for parking with care.	35.6
4.4		(649920)	End of verge.	35.1
4.7		(649920)	Verge 7–8 ft. wide right. Rather bumpy and with cuts in it from canal, but could be used for parking in places.	34.8
5.4	BAHQIRA	(648919)	Village left. End of verge.	34.1
5.8		(648919)	Footbridge over bridge. Canal right. Road 16–18 ft. wide.	33.7
6.1		(648919)	Verge as at Km. 3.9 for short distance.	33.4
6.7		(647919)	End of verge. Road 16–18 ft. wide.	32.8
8.1	Bridge (12)	(646918)	4 ft. span, 23 ft. wide. Road 18–20 ft. effective width.	31.4
	NAWASA EL GHEIT		Village over canal right.	
8.2		(646918)	Footbridge over canal right.	31.3
11.8	Bridge (70)	(644915)	3 ft. span, 24 ft. wide. Narrow place 16 ft. wide. The small canal right joins the MANSURIYA canal. Wide place right 80 yds. long, suitable for parking. Road 20 ft. wide. Surface B.	27.7
12.3	AGA	(643915)	Beginning of houses.	27.2
12.6	Road Junction	(643914)	Join Route No. 68 at Km. 45. Turn right over bridge then left. Big canal (EL MANSURIYA) left. Light railway over canal left.	26.9
12.8		(643914)	Level crossing over light railway. Leave Route No. 68 which turns right.	26.7

Kms.				*Kms.*
13.2		(643914)	End of AGA. Road 22–25 ft. effective width.	26.3
14.4		(642913)	Road 20–22 ft. effective width.	25.1
15.6		(642912)	Road 25 ft. effective width.	23.9
16.0		(642911)	Road 20–23 ft. effective width.	23.5
16.7		(642911)	Footbridge over canal left.	22.8
17.2		(642910)	Settlement right.	22.3
17.7		(642910)	Road 25 ft. wide.	21.8
18.4	Road Junction	(641909)	Regulator over canal, 20 tons left. Turning left to MIT EL AMIL.	21.1
18.6	Bridge (40)	(641909)	Bridge over canal, 20 ft. span, 33 ft. wide.	20.9
	Road Junction		Turning right to SAMANUD. Road 35 ft. wide.	
18.8		(641908)	Narrow place 18 ft. wide. Road 25–30 ft. wide.	20.7
19.5		(641908)	Road 20 ft. effective width.	20.0
19.8		(641907)	Road 25 ft. effective width.	19.7
20.0		(641907)	Road 20 ft. effective width.	19.5
20.2		(641907)	Road 25 ft. effective width.	19.3
21.6	SHEIWA	(641906)	Village left.	17.9
21.9		(641905)	Many narrow places 20 ft. wide for 200 yds.	17.6
24.2	TUNNAMIL EL SHARQI	(640903)	Village. Road width minimum 19 ft. Footbridge over canal left.	15.3
24.7		(640903)	Road 20–25 ft. wide.	14.8
24.9		(640902)	Road 25 ft. wide.	14.6
26.3		(640901)	Road 20–25 ft. wide.	13.2
26.9		(640900)	Road 20 ft. wide.	12.6
27.0		(640900)	Road 25 ft. wide.	12.5
27.7	Bridge (40)	(640900)	2 ft. span, 30 ft. wide. Road 25 ft. wide.	11.8
	FISHA BANA		Village.	
28.1		(640899)	Narrow piece 20 ft. wide, due to houses right.	11.4
29.1		(640898)	Road 20–25 ft. wide.	10.4
31.6	BISHLA	(640896)	Village. Footbridge over canal left. Load 5 tons. Road 18 ft.	7.9
32.3		(640895)	Road 20–25 ft. effective width.	7.2
34.6		(640893)	Narrow place 18 ft. wide.	4.9
35.1	Road Junction	(640892)	Road turns right. Turn left. Straight on to DAHTURA.	4.4

Kms.				Kms.
	Bridge (40)		Bridge of two parts :— (1) Over lock. Steel lift bridge. 25 ft. span, 20 ft. wide. Two 1 ft. foot-paths. Brick and masonry supports. (2) Four span. R.C. on brick abutments and piers. Total span 280 ft., 20 ft. wide. Two 1 ft. foot-paths. Decauville track left.	
35.5	Bridge (9)	(640892)	Old bridge, now dry. Three span, 20 ft. wide. Masonry arch. Road 20–23 ft. wide.	4.0
36.0		(640892)	Road 25 ft. wide.	3.5
37.0		(640891)	Footbridge over canal left. Road 20 ft. wide.	2.5
	Crossroads		Right to MIT GHAMR, left to SIMBILLAWEIN. Keep straight on. Road 25 ft. wide.	
38.3		(641890)	Road 20–25 ft. wide.	1.2
	Crossroads		Right to MIT GHAMR, left to ZAGAZIG. (Route No. 1.)	
38.4		(641890)	Level crossing 12 ft. wide.	1.1
38.6	Culvert (40)	(641889)	Culvert 18 ft. wide. Road 25 ft.	0.9
39.0	Road Junction	(641889)	Narrow place, 14 ft. wide. Turning right to MIT GHAMR.	0.5
39.5	Road Junction	(641888)	Level crossing, light railway. Turning to MIT GHAMR. Join Route No. 67 at Km. 30.1 (bridge to ZAGAZIG).	0.0

Route Nos. 64A,
67

BENHA (633862)—BILBEIS (670856)

(97.7 Kms. - 61.1 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 26 November 1942.

Start : Off BENHA by-pass where road turns left to TANTA (for Route No. 52). Keep straight on.

Limiting Factors :

Minimum Road Width	...	...	8 ft.
Minimum Bridge Classification	...	...	9
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	Dry Weather

GENERAL REMARKS

The road runs entirely through cultivation and it is not possible to pull off the road, except where mentioned. The road is kept watered and care should be taken to avoid skidding when the road is wet. One side of the road is watered at a time and the wheels of one side of the vehicle should be kept on the dry part of the road if possible. Traffic light, except in towns. There are very many pedestrians and very much traffic in BILBEIS.

DETAILED REPORT

Kms.				*Kms.*
0.0		(633862)	Dirt road 30 ft. wide with a grass verge 8 ft. left. Canal (EL TAUFIQI) right.	97.7
2.9		(635864)	Road 25 ft. wide.	94.8
3.8	Bridge (40)	(636865)	R.C. and brick. 3 ft. span, 30 ft. wide. Narrow place 19 ft. wide.	93.9
4.9		(637866)	Road narrows to 19 ft.	92.8
5.1		(637866)	Road 25 ft. wide.	92.6
7.2		(637868)	Road surface on right bad for 100 metres.	90.5
7.6		(638868)	Canal very near road.	90.1
7.7		(638868)	Road narrows to 20–25 ft.	90.0
8.5		(638869)	Road width variable—about 19 ft.	89.2
9.2	ISNIT	(639869)	Village left.	88.5

Kms.				*Kms.*
9.8		(639869)	Road 30 ft. wide. Bridge over canal right. Orange grove left.	87.9
10.1		(640870)	Narrow place 20 ft. wide.	87.6
10.7		(640870)	Vineyards left. Narrow place 18 ft. wide.	87.0
11.0		(641870)	Road 25 ft. wide.	86.7
11.6		(641871)	Road 30 ft. wide.	86.1
12.1		(640871)	Variable width 19–25 ft.	85.6
12.3	KAFR SHUKR	(640871)	Village. Bridge over canal right.	85.4
12.5		(640872)	Road 30 ft. wide.	85.2
13.0		(641872)	Narrow place 19 ft. wide.	84.7
13.2		(641872)	Width variable 20–30 ft.	84.5
13.5		(641872)	Orange grove left.	84.2
13.7		(641873)	Road 30 ft. wide.	84.0
14.2		(641873)	Narrow place 20 ft. wide.	83.5
14.4		(641873)	Railway station right over canal.	83.3
14.8	TISFA	(641873)	Orange grove left. Road 25 ft. wide.	82.9
16.0		(641875)	Variable width, average 20 ft.	81.7
16.2		(641875)	Road 30 ft. wide.	81.5
16.7		(641876)	Narrow place 22 ft. wide. Culvert (disused) 33 ft. wide. Road 25 ft. wide.	81.0
18.5		(641877)	Narrow place 20 ft. wide.	79.2
19.4	HALA	(641878)	Railway station over canal right.	78.3
19.6	Bridge (30)	(641879)	Culvert 3 ft. diameter, 32 ft. wide.	78.1
20.6		(642880)	Small village ¼ mile left.	77.1
22.6	SHARAGT EL KUBRA	(642881)	Village.	75.1
	Road Junction		Turning right to ZAGAZIG. Road 20 ft. wide.	
22.7		(642881)	Road 30 ft. wide.	75.0
24.3		(642882)	Road 25 ft. wide.	73.4
24.4	EL MASARA	(642882)	Village. Light bridge over canal right.	73.3
24.8		(642883)	Road 30 ft. wide.	72.9
26.1	MIT NAGI	(642884)	Railway station over canal right. Village. Narrow place 20 ft. wide. Road widens to 25 ft.	71.6
27.4	KAFR EL GUHANNAMI	(641885)	Village left.	70.3
28.0		(641886)	Road 30 ft. wide.	69.7

Kms.				*Kms.*
30.1	Crossroads	(641888)	Straight on to AGA. (Route No. 64.) Turning left to MIT GHAMR. Turn right over bridge on road to ZAGAZIG. (Route No. 67.) Narrow place 20 ft. wide.	67.6
	Bridge (9)		Steel girder on brick abutments. Three span, two fixed, 33 ft. span each. One movable 80 ft. span. Bridge 12 ft. wide.	
30.4		(641888)	Level crossing over light railway.	67.3
31.0		(642888)	Level crossing over light railway. Light railway left.	66.7
31.6	Road Junction	(642888)	Turning left to HIHYA. Road 16 ft. wide.	66.1
31.7	Culvert (40)	(643883)	18 ft. wide. Road 18 ft. wide.	66.0
	Culvert (40)		18 ft. wide. Road 14 ft. wide, winding.	
31.9	Culvert (40)	(643887)	18 ft. wide.	65.8
32.4	Bridge (12)	(643887)	Over drain. 7 ft. span, 23 ft. wide. Brick.	65.3
33.5	Culvert (40)	(644887)	20 ft. wide.	64.2
33.9		(644887)	Small settlement.	63.8
34.1	Bridge (12)	(644886)	Two span, over drain. Each span 6 ft., 12 ft. wide. Brick. Road 22–30 ft. wide.	63.6
34.6	DUNDIT	(644886)	Village. Minimum width in village 12 ft.	63.1
35.5	Bridge (40)	(645884)	Over drain. 3 ft. span, 22 ft. wide. Mohammedan cemetery left. Road 19 ft. wide, a few narrow places 15 ft.	62.2
35.8		(645884)	Road 23 ft. Drain left.	61.9
36.4		(645884)	Road 19 ft. Very near drain.	61.3
36.9		(645884)	Road 21 ft. wide.	60.8
37.0	Bridge (40)	(645884)	Turn left over bridge (R.C. and brick. 8 ft. span, 22 ft. wide). Over drain.	60.7
37.4	Bridge (40)	(645884)	Turn right over bridge. R.C. and brick. 8 ft. span, 19 ft, wide. Irrigation control.	60.3
37.7	EL DABUNIYA	(645884)	Village. Road 19 ft. wide.	60.0
38.5		(646883)	Road 14 ft. wide, winding.	59.2

Kms.				*Kms.*
38.9	Culvert (40)	(646883)	Over drain. 6 ft. diameter, 26 ft. wide. Brick.	58.8
39.7		(646882)	Narrow place 15 ft. wide. Road 19 ft. wide.	58.0
39.9	Culvert (40)	(646882)	25 ft. wide.	57.8
40.3	Culvert (40)	(647882)	26 ft. wide.	57.4
40.5		(647881)	Narrow place 14 ft. wide.	57.2
40.8	MIT ABU KHALID	(647881)		56.9
41.0	Road Junction	(647881)	Turn right for MINYET EL QAMH. Turning left to ZAGAZIG.	56.7
41.2	Road Junction	(646881)	Turn left for MINYET EL QAMH. Straight on for SAHR AGT EL KUBRA.	56.5
41.3		(646881)	Level crossing light railway. Road 20 ft. wide. Light railway parallels road.	56.4
41.9	Bridge (12)	(646881)	Brick. Over canal. 6 ft. span, 10 ft. wide. Road 12–14 ft. wide.	55.8
42.8	Culvert (40)	(646880)	14 ft. effective width. Road 12 ft. wide.	54.9
42.9		(646880)	Mohammedan cemetery right.	54.8
43.3	Bridge (12)	(646879)	Over canal. 10 ft. span, 11 ft. wide. Brick. Turn left.	54.4
44.2	Bridge (12)	(646879)	Over drain. 5 ft. span, 24 ft. wide. Brick. Road 15 ft. wide.	53.5
44.4	Culvert (40)	(646878)	17 ft. wide.	53.3
44.7	Culvert (40)	(646878)	18 ft. wide.	53.0
44.9	Culvert (40)	(646878)	18 ft. wide.	52.8
45.6	Culvert (40)	(646877)	Over canal. 3 ft. diameter, 10 ft. wide.	52.1
46.3	Culvert (40)	(646877)	11 ft. wide.	51.4
46.5	Bridge (12)	(646876)	Brick. 6 ft. span, 19 ft. wide.	51.2
46.7		(646876)	Leave light railway.	51.0
47.4	Bridge (12)	(647875)	4 ft. span, 10 ft. wide.	50.3
	Culvert (40)		19 ft. wide.	
47.7		(647875)	Rejoin light railway.	50.0
48.1	Culvert (40)	(647875)	19 ft. wide.	49.6

Kms.				*Kms.*
48.4	Culvert (40)	(647874)	19 ft. wide.	49.3
48.8	Road Junction EL QUBBA	(647874)	Turning left to ZAGAZIG. Turn right over culvert 18 ft. wide to EL QUBBA. Road 25 ft. wide.	48.9
49.1	Bridge (12)	(647874)	Turn left over bridge (control). 4 ft. span, 10 ft. wide. Road 18 ft. wide.	48.6
51.7	Bridge (12)	(647870)	6 ft. span, 10 ft. wide. Road 19 ft. wide.	46.0
53.8	MALAMIS	(647870)	Village left.	43.9
53.9	Bridge (12)	(647869)	Turn left over bridge. Brick. Two 4 ft. spans, 10 ft. wide.	43.8
56.0		(647869)	Level crossing. Road 19 ft. wide.	41.7
56.3	MINYET EL QAMH	(648868)	Village.	41.4
56.5	Bridge (12)	(648868)	Over canal. 52 ft. movable span. Two fixed spans 26 ft. each, 10 ft. wide. Steel and brick. Take road to BENHA.	41.2
57.0		(648867)	Level crossing. Turn left after crossing the railway. Turning right to BENHA (Route No. 65). Road between houses narrow and winding. Turn right at T-junction. Minimum width road 12 ft.	40.7
58.0	Crossroads	(648867)	Straight on over crossroads. Left to ZAGAZIG, right to BENHA.	39.7
58.4		(648867)	End of town. Road 19 ft. wide.	39.3
59.3	Bridge (40)	(648867)	Over canal. 35 ft. span, 19 ft. wide. R.C. and brick abutments.	38.4
	Culvert		19 ft. wide.	
60.2	Bridge (9)	(648865)	Level crossing light railway. Bridge over canal (control). Four spans, each 4 ft. span, one 9 ft. span, 10 ft. wide. Timber, masonry. Light railway left, canal right.	37.5

Kms.				*Kms.*
60.5	Bridge (40)	(648865)	Over canal. Three span, total 90 ft. span, 19 ft. wide. R.C. and brick abutments, piers. Two 18 in. footpaths.	37.2
	Road Junction		Turning right to MASHTOUL. Road 18 ft. wide. Orange grove left.	
61.6		(650865)	Road crosses to left of railway and back.	36.1
61.9		(650865)	Road crosses to left of railway.	35.8
62.5	Culvert (40)	(650865)	15 ft. wide.	35.2
62.7		(651865)	Road crosses to right of railway. Road 17 ft. wide.	35.0
63.4	SHALSHALA-MUN	(651864)	Left. Road 19 ft. wide.	34.3
63.9	Road Junction	(652864)	Turning right to SHIBIN EL QANATIR.	33.8
64.5	Culvert (40)	(653864)	Total width 19 ft., of which railway (left) uses 4 ft. Road winding with some sharp bends.	33.2
64.6		(653864)	Narrow place 11 ft. wide.	33.1
64.8		(653864)	Road crosses to left of railway, back. Canal right. Road narrows to 11 ft. wide.	32.9
65.3		(653864)	Road 15 ft. wide.	32.4
65.9	Culvert (40)	(654864)	16 ft. wide. Road 18 ft.	31.8
66.1		(654864)	Station.	31.6
66.3	Culvert (40)	(654863)	Road crosses to left of railway. Culvert 18 ft. wide.	31.4
66.7		(655863)	Road crosses to right of railway. Road 16 ft. wide.	31.0
67.0		(655863)	Short piece of road 21 ft. wide.	30.7
67.4	Culvert (40)	(655863)	18 ft. wide.	30.3
67.7	Culvert (40)	(656863)	30 ft. wide, of which railway uses 7 ft. End of winding road.	30.0
68.7	Culvert (40)	(656862)	11 ft. wide.	29.0
69.0	BENI SALEH	(656862)	Station. Road 20 ft. wide.	28.7
	Culvert		11 ft. wide.	
69.4		(657861)	Road 16 ft. wide.	28.3
69.6		(657861)	Small settlement.	28.1
69.8		(657861)	Narrow place 12 ft. wide due to tree right. Road 19 ft. wide.	27.9

Kms.				*Kms.*
70.7		(658861)	Narrow piece 8 ft. wide for 50 yds. between railway left and canal right.	27.0
71.2	Bridge (40)	(658861)	Over canal. R.C. and brick. 6 ft. span, 12 ft. wide. Road 25 ft. wide.	26.5
71.8	Crossroads	(659860)	Crossroads left to ZAGAZIG to SALAMANT.	25.9
	MIT GABIR		Station. Road 20 ft. wide.	
72.7	Bridge (40)	(658860)	R.C. and brick. Over small canal. 5 ft. span, 15 ft. wide. Two 18 in. footpaths. Road 17 ft. wide for 70 yds. then 13 ft. Small canal right.	25.0
73.4	Bridge (40)	(660860)	Brick. Over canal. 3 ft. span, 10 ft. wide. Road 16 ft. wide.	24.3
73.6		(660859)	Narrow piece 12 ft. wide.	24.1
74.0		(660859)	Road 12 ft. wide.	23.7
74.2	Culverts (2) (40)	(660859)	Culvert 10 ft. wide. Culvert 12 ft. wide.	23.5
	SHUBRA-EL-NAKHLA		Village left.	
74.5		(660859)	Station. Road 25 ft. wide.	23.2
74.7	Culvert (40)	(661859)	11 ft. wide.	23.0
74.9	Culvert (40)	(661859)	9 ft. wide.	22.8
75.1	Culvert (40)	(661859)	10 ft. wide. Road 10–12 ft. wide.	22.6
75.3	Culvert (40)	(661858)	12 ft. wide.	22.4
75.5		(661858)	Station.	22.2
75.6	Culvert (40)	(661858)	10 ft. wide.	22.1
76.2	Culvert (40)	(662858)	13 ft. wide.	21.5
76.6	Culvert (40)	(662858)	11 ft. wide.	21.1
76.7	Culvert (40)	(662858)	12 ft. wide.	21.0
77.1	Bridge (12)	(663858)	Over canal. Brick and masonry. 6 ft. span, 27 ft. wide, of which railway uses 7 ft. Leave canal right. Road 22 ft. wide for 50 yds. then 11–12 ft.	20.6

Kms.				*Kms.*
77.7		(663857)	Width reduced to 10 ft. due to tree right. Road 11 ft. with 6 ft. pull off right.	20.0
77.8		(663857)	Road 12 ft. wide.	19.9
78.4	EL GUSAQ	(664857)	Station. Road 14–16 ft. Mohammedan cemetery right.	19.3
78.6		(664856)	Steel tubular drain, 3 ft. diameter, under road. Effective width 16 ft. Road 22 ft. wide. Small canal right.	19.1
78.8	Bridge (70)	(664856)	2 ft. span. Brick. 13 ft. wide. Road effective width 19 ft.	18.9
79.1	Bridge (70)	(664856)	2 ft. span, 15 ft. wide. Road 15 ft. wide.	18.8
79.5		(664856)	Leave railway left.	18.2
80.6	Bridge (70)	(665856)	3 ft. span, 15 ft. wide.	17.1
80.8		(666856)	Level crossing. Join Route No. 601.	16.9
95.9		(668857)	Leave Route No. 601 at Km. 42.1 and keep straight on for BILBEIS.	1.8
	Bridge (12)		(Control) over canal. Four span, 5 ft. each. Total span 38 ft., 12 ft. wide. Brick and masonry.	
	BILBEIS		Road 25 ft. wide.	
96.2		(668857)	Light railway right. Road 20 ft. wide.	1.5
96.7	Bridge (12)	(669857)	Over drain. 19 ft. span, 15 ft. wide. Steel girders on brick abutments. Road 18 ft. wide.	1.0
96.9		(669857)	Railway turns. Keep straight on.	0.8
97.1		(669856)	Narrow place, 15 ft. wide between houses.	0.6
97.4		(669856)	Narrow place, 15 ft. wide between houses.	0.3
97.7		(670856)	Join CAIRO–EL ABBASA Road. (Route No. 62).	0.0

LINK ROAD from ROUTE 2 (744820) to ROUTE 61 (755827)
(14.3 Kms. - 8.6 Miles)

Map : 1:256,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 22 February 1943.

Start : Road Junction at Km. 348.2 on Route No. 2 (744820).

Limiting Factors :

Minimum Road Width	20 ft.
Minimum Bridge Classification	No bridges
Minimum Overhead Clearance	13 ft. 6 ins.
All Weather or Dry Weather Road ...	All Weather

GENERAL REMARKS

The road runs through desert throughout.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(744820)	Turn left off Route No. 2. Macadam road, 20 ft. wide, surface M–B. Desert firm, but rough. Pull off left and right 3–4 ft.	14.3
0.5	Bridge		Railway. Over road. 35 ft. wide. Overhead clearance 13 ft. 6 ins. Desert hilly.	13.8
1.1			Old bitumen drums limit pull offs to 4 ft.	13.2
1.2			Barbed wire fence left.	13.1
2.0			Camps left.	12.3
2.8			Level crossing.	11.5
	Road Junction		Turning left to camps, desert flatter.	
4.2			End of barbed wire fence left.	10.1
4.6			Borrow pits for 400 yds. left and right.	9.7
4.9			Desert hilly left to Km. 6.0.	9.4
8.0			Hills left.	6.3
9.1			Cutting through hill. Desert hilly left and right.	5.2
10.2			Desert smoother and flat.	4.1
13.1			Hill right. Road bends left.	1.2
14.3	Road Junction	(755827)	Join Route No. 61 at Km. 19.7.	0.0

Route No. 60
61A
63
65

QALYUB (636831)—BILBEIS—ZAGAZIG—BENHA (633860)

(95.5 Kms. - 59.7 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 21 November 1942.

Start : From 1 km. north of QALYUB Station (Route No. 64).

Limiting Factors :

Minimum Road Width	...	...	8 ft.
Minimum Bridge Classification	...	...	9
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	Dry Weather

GENERAL REMARKS

The road runs through cultivated land throughout. It is not possible to leave the road even where the road is level with the surrounding country, as there is a danger of getting stuck in the wet soil.

The road is kept watered and care should be taken to avoid skidding when the road is wet. One side of the road is watered at a time and the wheels on one side of the vehicle should be kept on the dry part of the road if possible.

There is a fair amount of civilian traffic and buses run over the road. There is not enough traffic to interfere greatly with convoys except in the neighbourhood of towns.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(636831)	Turn right 1.1 km. north of QALYUB Station. Dirt road, surface M to B. Effective width 25 ft. Railway right. Level crossing.	95.5
0.6	Bridge (40)	(637832)	Over irrigation canal. R.C., brick abutments. 42 ft. span, 22 ft. wide. Two 1 ft. footpaths.	94.9
1.3		(637832)	Small village left.	94.2
2.4	Culvert (40)	(638833)	Brick culvert. 8 ft. dia., 22 ft. wide over drain, water 8 ft. below road level.	93.1

Kms.				*Kms.*
3.2	Bridge (40)	(638833)	Over irrigation canal. R.C., brick abutments. 38 ft. span, 22 ft. wide. Two 1 ft. foot-paths.	92.3
3.7	Culverts (40)	(639834)	2 brick culverts, 27 ft. wide.	91.8
3.9		(639834)	Road 20 ft. wide.	91.6
6.0	NAWA	(640836)	Railway station right. Narrow places. Minimum 15 ft. wide in village.	89.5
6.3	Crossroads	(640836)	Effective road width 18–20 ft. Turning left to QAHA and right to SIRYAQUS.	89.2
6.9		(641837)	Macadam, surface M. Effective width 19 ft.	88.6
7.3		(641837)	Mohammedan cemetery left.	88.2
8.2		(642837)	Dirt road. Surface M to B. Effective width 18 ft.	87.3
	Bridge (40)		Brick. 3 ft. span, 10 ft. wide.	
8.9	Culvert (40)	(642838)	Brick. Width 20 ft.	86.6
10.2	Culvert (40)	(642839)	Brick. Width 22 ft. reduced to 18 ft. effective width by tree right.	85.3
10.8		(642840)	Mohammedan cemetery.	84.7
11.0	Culvert (40)	(643841)	Brick. 22 ft. wide.	84.5
11.3	Bridge (12)	(643841)	Over irrigation ditch. 10 ft. span, 8 ft. wide.	84.2
11.6	Culvert (40)	(643841)	Brick. 25 ft. wide reduced to 22 ft. by high grass verges.	83.9
12.7	Bridge (40)	(643842)	Over irrigation canal. R.C. 19 ft. span, 22 ft. wide.	82.8
13.1	KAFR SHIBIN	(644843)		82.4
14.8		(644844)	Shell depot.	80.7
15.0	Bridge (12)	(644844)	Over light railway. 12 ft. span, 22 ft. wide. R.C.	80.5
15.2	Bridge (40)	(645845)	Over irrigation canal. R.C. Two spans, R.C. pier. Total span 60 ft., 27 ft. wide. Turn right immediately over bridge. Leave railway.	80.3
15.6	SHIBIN EL QANATIR	(645845)	Canal right. Road narrow, winding through village. Minimum width 10 ft. Surface B.	79.9

Kms.				*Kms.*
16.0	Crossroads	(645845)	Turn left just before narrow culvert. Surface M. Road 20 ft.	79.5
16.6	Culvert (40)	(646845)	Turn left. Culvert 22 ft. wide. Level crossing.	78.9
17.3		(646845)	Rejoin railway.	78.2
18.2	Culvert (40)	(647846)	16 ft. wide, reduced to 13 ft. due to high grass verges.	77.3
18.9	Culvert (40)	(648846)	16 ft. wide, reduced to 13 ft. due to high grass verges.	76.6
19.5	Culvert (40)	(648846)	16 ft. wide, reduced to 13 ft. due to high grass verges.	76.0
20.7	Bridge (12)	(649847)	Steel girder 10 ins. deep. 25 ft. span, 11 ft. wide. Brick abutments.	74.8
23.6	MASHTUL Road Junction	(652849)	Station. Turning left to MINYET EL QAMH.	71.9
24.7	Bridge (12)	(653849)	Steel girders 10 ins. deep on brick abutments. 13 ft. span, 11 ft. wide.	70.8
25.0		(653849)	Orange grove right.	70.5
25.8	Culvert (40)	(654850)	25 ft. wide.	69.7
27.1	Road Junction	(655850)	Turning left to MIT GABIR.	68.4
27.6	Bridge (12)	(655850)	Steel girders 10 ins. deep on brick abutments. Three spans, on 6 in. pipe piles. 54 ft. total span, 11 ft. wide. Over drainage canal.	67.9
28.6	Culvert (40)	(656851)	20 ft. wide.	66.9
29.6	Culvert (40)	(657851)	18 ft. wide.	65.9
29.9	Culvert (40)	(657852)	16 ft. wide.	65.6
31.4	INSHAS EL RAML	(659852)	Station.	64.1
32.5		(659853)	Vineyard and fig orchard right.	63.0
32.7	Culvert (40)	(659853)	20 ft. wide.	62.8
34.0	Bridge (12)	(661853)	Over irrigation canal. Steel girder 10 ins. deep on brick abutments. 24 ft. single span, 11 ft. wide.	61.5
35.4		(662854)	Road 18 ft. wide.	60.1

Kms.				*Kms.*
35.6		(662854)	Road 20 ft. wide.	59.9
37.4	TELLRUZAN	(664855)		58.1
39.0	Bridge (12)	(665856)	Over irrigation canal. Steel girder on brick abutments. 17 ft. span, 11 ft. wide.	56.5
	Road Junction		Turning left to MINYET EL QAMH. (Route No. 67).	
41.6		(668857)	Large canal right.	53.9
42.1	Bridge (40)	(668857)	Level crossing light railway. Turn right over bridge. R.C. on brick abutments. 12 ft. span, 27 ft. wide.	53.4
	Road Junction		Immediately left along canal bank. Straight on to BILBEIS. (Route No. 67.) Surface B.	
42.4		(668857)	Shell depot. Surface M. Road 19 ft.	53.1
43.1	Culverts (40)	(669858)	Two, 25 ft. wide.	52.4
43.9	Road Junction	(669859)	Turning left to MIT RABIA EL BEIDA.	51.6
47.3		(667862)	Narrow places down to 15 ft. effective width.	48.2
49.0	Bridge (40)	(667864)	R.C. 25 ft. span, 19 ft. wide. Over drainage ditch. Two 15 in. footpaths.	47.5
49.5	Bridge (12)	(667865)	5 ft. span, 15 ft. wide, parapets 3 ft. high.	46.0
50.9	BURDEIN	(667866)	Road crosses to left of railway.	44.6
51.6	Bridge (12)	(666866)	Brick. 25 ft. span, 16 ft. wide.	43.9
51.7		(666867)	Road 18 ft. wide.	43.8
52.5		(666868)	Road 14 ft. wide due to trees but there are passing places at gaps in trees.	43.0
53.2	Culverts (40)	(666868)	Two, 19 ft. wide.	42.3
54.0			For 100 yds. road 19 ft. effective width.	41.5
55.5	Bridge (40)	(665870)	R.C. piers and piles. 3 span. Total span 108 ft., 19 ft. wide. Two 2 ft. footpaths.	40.0
55.8	Culvert (40)	(665871)	25 ft. wide.	39.7

Kms.				*Kms.*
56.1	Bridge (40)	(665871)	R.C. and brick abutments and piers. Two span. 96 ft. total span, 19 ft. wide. Two 2 ft. footpaths.	39.4
56.6	Culvert (40)	(665871)	23 ft. wide.	38.9
56.7	EL ASLOUGY	(665872)	Station and village. Road crosses to right of railway.	38.8
56.8	Bridge (40)	(665872)	Over drain. R.C. and brick abutments. 15 ft. span, 30 ft. wide. Two 1 ft. footpaths.	38.7
57.2	Bridge (40)	(665872)	R.C. and brick abutments. 11 ft. span, 30 ft. wide. Two 1 ft. footpaths.	38.3
57.8	Culvert (40)	(664872)	19 ft. wide.	37.7
58.0	Culvert (40)	(664872)	25 ft. wide. Road varies between 15 and 25 ft. wide.	37.5
58.1	Culvert (40)	(664872)	25 ft. wide.	37.4
58.5	Culvert (40)	(664873)	25 ft. wide.	37.0
58.9	Crossroads	(664873)	(Route No. 1). Turn left on to ZAGAZIG by-pass. Straight on to ZAGAZIG. Turning right to EL ABBASA (Route No. 1). Macadam, surface M. Width 25 ft. Pull off 8 ft. each side.	36.6
59.4	Bridge (40)	(663873)	R.C. and brick abutments. 14 ft. span, 30 ft. wide. Two 1 ft. footpaths.	36.1
59.9	Culvert (40)	(663873)	35 ft. wide.	35.6
60.4		(662873)	Mohammedan cemetery left.	35.1
61.3		(662873)	Mohammedan cemetery right.	34.2
61.5	Road Junction	(661874)	Back turning left to MIT GABIR.	34.0
61.8	Road Junction	(661874)	Turn left. Turning right to ZAGAZIG.	33.7
	Bridge (40)		Brick. 4 span, 30 ft. wide. Dirt road, effective width 22 ft. Surface M to B. Railway parallels road right.	
62.9	Bridge (12)	(660873)	Width 20 ft. Brick. 4 ft. span, 22 ft. wide.	32.6

Kms.				*Kms.*
66.1	EL SANKALOUN	(657872)	Station.	29.4
	Bridge (40)		R.C. and brick abutments. 5 ft. span, 30 ft. wide.	
69.0		(655871)	Effective road width 25 ft.	26.5
70.8		(653870)	Mohammedan cemetery left.	24.7
72.1	Bridge (40)	(652870)	R.C. and brick. 6 ft. span. 25 ft. wide.	23.4
72.8	EL GUDAIYIDA	(651869)	Station.	22.7
74.8	Bridge (40)	(650868)	R.C. and brick. 4 ft. span, 25 ft. wide.	20.7
76.8	MINYET EL QAMH	(648867)	Turn right over railway, then left. Big canal on right of road.	18.7
77.3		(648867)	Turn left over level crossing. Power station right. Turn right after crossing railway.	18.2
	Road Junction		Turning left to MIT GABIR (Route No. 67).	
77.7		(647867)	Shell and S.V.O.C. Depots left.	17.8
78.5	Bridge (9)	(647866)	Over light railway. Steel on brick. 13 ft. span, 13 ft. wide.	17.0
79.4	MIT YAZID	(646866)	Station.	16.1
	Road Junction		Turning left to MASHTOUL. Canal on left. Railway on right.	
79.5	Bridge (40)	(646866)	R.C. and brick. Over canal. Three span. Total span 115 ft., 25 ft. wide. Road crosses to right of railway. Railway left, drain right.	16.0
83.2	EL AZIZIYA	(643864)	Station. Orange grove right. 25 ft. wide.	12.3
86.9	SHIBLANGA	(641863)	Station.	8.6
87.2		(640863)	Road crosses to left of railway. 25 ft. wide.	8.3
	Road Junction		Surface M. Turning left to EL SANAFIN. Canal and Railway right.	
87.6		(639862)	Effective width 20 ft.	7.9

Kms.				*Kms.*
89.5	Bridge (40)	(638861)	R.C. and brick. 3 ft. span, 25 ft. wide. Two 1 ft. footpaths.	6.0
90.5	MIT KHANAZIR	(637861)	Road 18 ft.	5.0
90.7	Culvert (40)	(637861)	Brick. 25 ft. wide.	4.8
92.4	Bridge (40)	(635860)	Road 25 ft. wide. Bridge R.C. and brick. 23 ft. span, 25 ft. wide. Two 1 ft. footpaths.	3.1
93.1		(634861)	Effective width 20 ft.	2.4
93.6	Culverts (40)	(633861)	Three. 25 ft. wide, three high parapets.	1.9
95.3	Road Junction	(633860)	Turning left to SHIBIN EL QANATIR.	0.2
95.5		(633860)	BENHA (Joins Route No. 64).	0.0

ROAD JUNCTION (737879) to ROAD JUNCTION (740879)

(3.8 Kms. - 2.4 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 3 February 1943.

Start : From Route No. 1 at Km. 785.1. Turn right. Keep straight on.

Limiting Factors :

Minimum Road Width	...	...	20 ft.
Minimum Bridge Classification	...	...	No bridges
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	All Weather

GENERAL REMARKS

The road runs through built-up areas as far as the level crossing at Km. 0.5, then through camps and desert. The desert is soft sand.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(737879)	Leave Route No. 1. Road macadam, 23 ft. wide, with footpaths.	3.8
0.3	Road Junction		Take second turning left. Road 20 ft. wide, with footpaths.	3.5
0.5			Keep straight on over level crossing.	3.3
	Road Junction		Turn right. Straight on to camps. Camp area. Pull offs 9 ft., restricted to 1 ft. right, due to telegraph poles.	
0.7	Road Junction		Turning right to camps.	3.1
1.6			End of camps. Open desert, soft, with sparse scrub.	2.2
2.8	Road Junction		Fork left. Right to canal road.	1.0
3.7	Road Junction		Keep straight on. Fork right to canal road.	0.1
3.8	Road Junction	(740879)	Join Route No. 628 at Km. 1.4. Back turning right to canal road.	0.0

ROAD JUNCTION (763809) to ROAD JUNCTION (764808)

(2.5 Kms. - 1.6 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 2 February 1943.

Start : Route No. 2 at Km. 370.0. Road junction (763809).

Limiting Factors :

Minimum Road Width	...	...	20 ft.
Minimum Bridge Classification	...	...	No bridges
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	All Weather

GENERAL REMARKS

For the first 1000 yds. the road runs on a bank in desert. Thereafter, through a built-up area.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(763809)	Macadam road 20 ft. wide. Pull off left and right 3–4 ft.	2.5
0.9	SUEZ		Enter town. No pull off. Pedestrians.	1.6
1.4			One-way traffic. Very many pedestrians. Road 35 ft. wide.	1.1
2.1			Turn left.	0.4
2.3			Turn left, and immediately right over level crossing.	0.2
2.5	Road Junction	(764808)	Join Canal Road. Route No. 60.	0.0

LINK ROAD ROUTE No. 61 (752833) to ROUTE No. 60 (756836)
KABRIT ROAD

(5.1 Kms. - 3.2 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 2 February 1943.

Start : Km. 26.2, Route No. 61. Turn right.

Limiting Factors :

Minimum Road Width	...	...	20 ft.
Minimum Bridge Classification	...	...	40
Minimum Overhead Clearance	...	...	13 ft.
All Weather or Dry Weather Road		...	All Weather

GENERAL REMARKS

This route runs through desert. The desert is firm, but departure from this road is restricted in parts by banks along the side of the road.

DETAILED REPORT

Kms.				*Kms.*
0.0		(752833)	Macadam road. Surface M–B. Pull off left and right 3–4 ft. 20 ft. wide. Camps left and right.	5.1
0.3			Level crossing.	4.8
1.4	Bridge (40)		Railway over road. 35 ft. wide. Overhead clearance 13 ft. Open desert.	3.7
3.5	Culvert		Over canal. 4–5 ft. pipes in concrete. Load 40 tons. 25 ft. wide. Surface B.	1.6
4.2			Patch of cultivation.	0.9
	Culvert		Small.	
5.1	Road Junction	(756836)	Join Canal Road, Route No. 60.	0.0

LINK ROAD—ROUTE No. 61 (749839) to ROUTE No. 60 (750840) KASFEREET ROAD

(1.7 Kms. - 1.1 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 2 February 1943.

Start : Km. 33.2 on Route No. 61. Turn right.

Limiting Factors :

Minimum Road Width	10 ft.
Minimum Bridge Classification	12
Minimum Overhead Clearance	U
All Weather or Dry Weather Road ...	All Weather

GENERAL REMARKS

Except for the first 200 yds., the road runs through KASFEREET Aerodrome Camp up to the bridge over the canal. After this it is desert with scrub, not suitable for parking.

DETAILED REPORT

Kms.				*Kms.*
0.0		(749839)	Macadam road 20 ft. wide. Surface M. Nine pull offs left and right 8 ft.	1.7
0.2			Entrance to aerodrome.	1.5
0.3			Level crossing Decauville track.	1.4
	Crossroads		Roundabout. Keep straight on.	
1.2	Bridge (12)		Over canal. Three span. 60 ft. total span, 10 ft. wide steel girder and timber decking. Settlement. Pull off left and right 6 ft.	0.5
1.7	Culvert	(750840)	Over drain. One metre pipe. 60 ft. wide. Join Canal Road.	0.0

ROAD JUNCTION (744841) to ROAD JUNCTION (743865)

(1.7 Kms. - 1.1 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL

Date of Recce. : 2 February 1943.

Start : Km. 39.4 on Route No. 61. Turn right.

Limiting Factors :

Minimum Road Width ...	...	20 ft.
Minimum Bridge Classification ...	...	40
Minimum Overhead Clearance ...	...	
All Weather or Dry Weather Road	...	All Weather

GENERAL REMARKS

The road runs in desert, with camps as far as the bridge over the canal, whence it is in cultivation.

The road rises steeply to the crossing over the main railway and falls just as steeply the other side.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(744841)	Macadam road 20 ft. wide. Surface M. Parking left and right.	1.7
0.2			Two level crossings over sidings.	1.5
0.7			Back turning left to Treaty Road.	1.0
1.0	Road Junction		Turning right to FANARA station. Level crossing main railway.	0.7
1.1	Bridge (40)		Over canal. Four 1 metre pipes in R.C. 25 ft. wide. Enter cultivation. Pull off left and right 3–4 ft., rough. Surface B.	0.6
1.7	Bridge (40)	(743845)	Over drain. 5 ft. span, 30 ft. wide. Concrete arch. Join	0.0
	Road Junction		Canal Road. (Route No. 60)	

LINK ROAD—ROUTE No. 61 (739848) to ROUTE No. 60 (740848) FAYID ROAD

(1.4 Kms. - 0.9 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 2 February 1943.

Start : Km. 43.2 on Route No. 61. Turn right.

Limiting Factors :

Minimum Road Width	...	...	20 ft.
Minimum Bridge Classification	...	...	40
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	All Weather

GENERAL REMARKS

The road runs through camps as far as the bridge over the canal, thereafter there is cultivated land right and the Geneifa Military Cemetery left.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(739848)	Macadam road 20 ft. wide. Surface M. Limited parking left. Pull offs 2–8 ft.	1.4
0.2			Level crossing. Firm desert. Camps left and right.	1.2
0.7	Road Junction		Turning right to camps.	0.7
0.9	Road Junction		Bear left	0.5
1.0	Culvert (40)		Over canal. Four 5 ft. pipes in concrete. 25 ft. wide.	0.4
1.2			Geneifa Military Cemetery left.	0.2
1.4	Bridge (70)	(740848)	Over drain. 8 ft. span, 30 ft. wide. R.C. Class 'T'.	0.0
	Road Junction		Join Route No. 60	

LINK ROAD—ROUTE No. 61 (737856) to ROUTE No. 60 (741855) ABU SULTAN ROAD

(4.9 Kms. - 3.1 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 1 February 1943.

Start : Km. 56.1 on Route No. 61. Turn right.

Limiting Factors :

Minimum Road Width	...	...	20 ft.
Minimum Bridge Classification	...	...	40
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	All Weather

GENERAL REMARKS

The road runs through desert throughout, most of it not suitable for running on, except at speed.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(737856)	Macadam road 20 ft. wide. Flat desert Banks left and right. Pull off 2–3 ft.	4.7
1.7			End of banks.	3.2
1.9			Camp right.	3.0
3.3	Crossroads	(740856)	Straight on to ABU SULTAN station. Turn right. Desert soft and hummocky.	1.6
4.2			Level crossing.	0.7
	Culvert (40)		Over canal. Four 5 ft. pipes in concrete. 25 ft. wide.	
4.9	Road Junction	(741855)	Join Canal Road. (Route No. 60)	0.0

ROUTE No. 61 (736863) to SERAPEUM STATION (741864)

(5.8 Kms. - 3.6 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 1 February 1943.

Start : Km. 62.8 on Route No. 61. Turn right.

Limiting Factors :

Minimum Road Width	20 ft.
Minimum Bridge Classification	No bridges
Minimum Overhead Clearance	U
All Weather or Dry Weather Road ...	All Weather

GENERAL REMARKS

The road runs through desert throughout. Desert gently rolling.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(736863)	Macadam road 20 ft. wide. Surface M. No pull offs.	5.8
2.1			Sand blown across road reduces effective width to 14 ft. Hummocks. Patch of palms.	3.7
3.0			Sand dunes right. Sand blown over road reduces effective width to 14 ft. Desert becomes firmer in parts and could be used for parking.	2.8
5.8	SERAPEUM	(741864)	Meet railway. Station left.	0.0

BENHA (632860)—BARRAGE (628832)

(29.7 Kms. - 18.6 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Date of Recce. : 21 November 1942.

Start : From north side of bridge over EL TAUFIQI CANAL, BENHA.

Limiting Factors :

Minimum Road Width	...	8 ft.
Minimum Bridge Classification	...	30
Minimum Overhead Clearance	...	U
All Weather or Dry Weather Road	...	Dry Weather

GENERAL REMARKS

The road runs throughout through cultivated land, usually on a bank of spoil from the canal. It is not possible to leave the road even where the road is level with the surrounding country, as there is a danger of getting stuck in the wet soil.

The road is kept watered and care should be taken to avoid skidding when the road is wet. One side of the road is watered at a time and the wheels on one side of the vehicle should be kept on the dry part of the road, if possible.

There is very little traffic on the road with the exception of pedestrians and animals.

DETAILED REPORT

Kms.			*Kms.*
0.0	(632860)	Level crossing 14 ft. wide, after which road widens to 16 ft. EL TAUFIQI Canal parallels road left. Dirt road. Surface M.	29.7
0.7	(632860)	Power Station right.	29.0
1.4	(632859)	Road widens to 35 ft.	28.3
3.0	(631858)	Road 25 ft. wide.	26.7
4.2	(631856)	Short narrow place, 16 ft. wide.	25.5
8.6	(630852)	Bridge over canal, left to BILTAN.	21.1
8.7	(630852)	Road 35 ft. wide.	21.0
10.3	(629851)	Narrow piece, 25 ft. wide.	19.4
10.8	(629850)	Plantation of trees right.	18.9

Kms.				*Kms.*
12.8		(628848)	Plantation of trees right.	16.9
14.9		(627847)	Trees right.	14.8
15.4	SIYAFA	(627845)	Bridge over canal left. (Route No. 641). Road narrows to 25 ft. Orange grove right.	14.3
16.6	Bridge (40)	(627844)	Over irrigation ditch. 38 ft. span, 19 ft. wide. R.C. and masonry abutments.	13.1
20.1 to 21.3		(626841) to (627840)	Orange grove right.	9.6 to 8.4
22.6		(627839)	Road narrows to 18 ft.	7.1
23.1		(627838)	Narrow place 12 ft. wide, widening to 16 ft.	6.6
23.4		(627838)	Road 20 ft. wide.	6.3
24.1	ZIFEITET-SHALAQAN	(627837)		5.6
25.2		(627836)	Road 19 ft. wide.	4.5
25.9 to 26.2		(627836) to (627835)	Some narrow places down to 12 ft. wide. Road very near canal.	3.8 to 3.5
26.2		(627835)	Road turns right, away from EL TAUFIQI Canal. Road only wide enough for one vehicle.	3.5
26.4	SHURAFA-EL-GHARBI	(627835)	Turn left. Road between houses left, small canal right. Only room for one vehicle.	3.3
27.1		(627835)	End of village. Canal continues right. Road 18 ft. wide.	2.6
28.0		(627834)	Narrow place 12 ft. wide. Footbridge over canal right.	1.7
28.2		(627834)	Narrow place 12 ft. wide.	1.5
28.3		(627833)	Mohammedan cemetery right. Road 11 ft. wide.	1.4
29.2	Bridge (40)	(627833)	Over small canal. R.C., masonry abutments. 28 ft. span, 19 ft. wide.	0.5
29.2		(627833)	Level crossing, 15 ft. wide. Railway bridge over EL TAUFIQI Canal.	0.5
29.7	Road Junction	(628832)	BARRAGE. Join Route No. 2	0.0

SIYAFA (627845) to ROAD JUNCTION ROUTE No. 64 (638824)

(25.4 Kms. - 15.9 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 16 CAIRO.

Dates of Recce. : 21 November 1942.
30 November 1942.

Start : Road Junction, Km. 15.4, Route No. 67 (627845). Turn left.

Limiting Factors :

Minimum Road Width	...	...	11 ft.
Minimum Bridge Classification	...	...	5
Minimum Overhead Clearance	...	...	U
All Weather or Dry Weather Road		...	Dry Weather

DETAILED REPORT

Kms.			*Kms.*
0.0	Road Junction (627845)	Leave Route 640	25.4
	Bridge (40)	Over canal. Two fixed spans each side. Each double span 70 ft. R.C. and brick. Centre, steel, swing, span 90 ft., 18 ft. wide. Two 2 ft. footpaths.	
	Bridge (40)	Over canal. R.C. and brick. 12 ft. span, 20 ft. wide.	
	Bridge (40)	Over canal. Brick arch. 6 ft. span, 50 ft. wide.	
	Bridge (9)	Over canal. Steel girder on brick. 7 ft. span, 12 ft. wide.	
0.2		Settlement left. Road 23 ft. wide. Station. Light railway. Road 20 ft. wide.	25.2
0.5		Road crosses to left of railway and back. Effective width 12 ft. Thereafter road 14–20 ft.	24.9
1.1		Level crossing light railway.	24.3
1.9	Culvert (40)	12 ft. wide.	23.5
2.3		Some narrow places 12 ft. wide.	23.1
4.0	Culvert (40)	20 ft. wide. Road 16–20 ft.	21.4

Kms.				*Kms.*
5.5	Culvert (40)		20 ft. wide. Road 16–20 ft.	19.9
5.8	Culvert (40)		35 ft. wide.	19.6
6.2			Settlement left.	19.2
7.6			Settlement left, bridge over canal right.	17.8
8.4			Settlement left.	17.0
8.8			Bridge over canal right.	16.6
9.7			Stone arch. Three span bridge over canal right.	15.7
10.5	BAHADA	(628835)	Village left. Minimum road width 20 ft.	13.9
12.0	Bridge (5)		Road crosses to right of canal. Three span steel girder and brick. Total span 90 ft., 12 ft. wide. Road 14–18 ft. wide.	13.4
	Culverts (40)		Several, small.	
14.6	SHALAQAN	(630831)	Village. Road 12–14 ft.	10.8
14.9			End of village.	10.5
15.8			Settlement right.	9.6
16.0		(631830)	Level crossing.	9.4
	Road Junction		Route No. 2. Right to BARRAGE, left to QALYUB. Keep straight on. Dirt road. Surface M–B. Road 12 ft. wide. 6 ft. pull off each side. Big canal left (EL BASUSIYA).	
16.2			Width reduced to total 14 ft. by pile of stones.	9.2
17.9			Settlement. Houses right. Minimum width 15 ft.	7.5
18.1			End of houses. Road as before but sides rough. Drain right.	7.3
19.9			No pull off. Road 15 ft. wide.	5.5
20.8			Road 16 ft. wide.	4.6
23.0			Narrow piece of road 11 ft. wide.	2.4
23.7	Bridge (12)	(637825)	Road turns left. Bridge over EL BASUSIYA Canal (control). Four span, brick. Each span 8 ft. Total span 50 ft., 10 ft. wide.	1.7

Kms.				*Kms.*
23.9	Bridge (40)		Over canal. 48 ft span, 16 ft. wide. Two 4 ft. footpaths. R.C. and brick. Road 22 ft. wide.	1.5
24.4			Glass factory left.	1.0
24.5	Bridge (12)		Over canal. One span. Steel girder and brick abutments. 19 ft. span, 22 ft. wide. Three spans brick arch each 8 ft., same width. Macadam road. Surface M. 19 ft. wide.	0.9
25.4	Bridge (40)	(638824)	Over canal. 36 ft. span, 19 ft. wide. R.C. and brick abutments.	0.0
	Road Junction		Join CAIRO–BENHA Road. (Route No. 64).	

GROUP 7

Comprising all routes beginning with 7

Section :

SUEZ (762809) to SAFAGA (907451)

(450.5 Kms. - 280.0 Miles)

Dates of Recce. : 1 March 1943.
2 March 1943.

GENERAL REMARKS

Road Surface and Conditions

Except for the first 9 miles from SUEZ and stretches of a few miles in length at RAS GHARIB and HURGHADA, the road is natural surface, the exact type of surface depending on the nature of the country being traversed. The road has recently been improved and graded. In fact, the grader was at work on one section between HURGHADA and SAFAGA when the recce. was made. Rains, in the last two or three weeks had washed out the road near BIR ODEIB, but no difficulty is experienced if one drives with care.

Width of Road

Varies from 12 ft. in defiles, such as around the JEBEL BAHARIYA, to 25 or 30 ft. over open desert stretches.

Curves and Gradients

There are no difficult curves or gradients, and heavy transport could use the road with care.

Overhead Height Limitation

Overhead telephone wires cross and re-cross the road in many places—too many to particularise in the detailed report. In one place the height was reported to be 9 ft. 9 ins., but it appeared to be at least 15 ft. when the recce. was made.

Weight Limitation

Apart from culverts in the SUEZ area, there are no bridges on the road, and therefore no weight limitation.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(762809)	Turn south off SUEZ Road at 762809. The road is of tar-macadam, 20 ft. wide with 3 ft. berms on either side. Going off the road is excellent except for scattered military camps.	450.5

Kms.			*Kms.*
1.9		Overhead wires—ample clearance.	448.6
3.0		Overhead wires—ample clearance.	447.5
3.5		Overhead wires—ample clearance.	447.0
3.6	Level crossing and Road Junction	Junction with main SUEZ–SAFAGA Road. Turn right. Shell refinery lies to left of road.	446.9
4.3		Turning left into refinery. Tank farm on left. Road runs on low embankment across mud flat. Many level crossings in this section.	446.2
6.0		Entrance to Government refinery on left.	444.5
6.1	Two Culverts	50 yds. apart.	444.4
9.1	Level Crossing		441.4
9.7	Culvert		440.8
10.0	Culvert		440.5
10.4	Culvert		440.1
10.5	Culvert		440.0
10.6		Military camp and M.T. assembly shops.	439.9
14.4	Level Crossing		
	Fork Road	On other side of level crossing. Take right fork. 30 ft. road begins, natural surface but being laid tar-macadam.	436.1
14.8	Level Crossing		435.7
14.9		Diversion to left on account of road construction.	435.6
16.8	ATAQA	Wharf on left. Cross railway lines back on to road again.	433.7
19.9	Road Forks	Left to camp near sea. Take right. Road is badly corrugated, but has recently been "graded".	430.6
22.5		Last military camp. Country on either side of the road is flat but mainly covered with boulders which would make "going off" difficult. The ATAQA escarpment lies about 2 km. back from road on right.	428.0

Kms.				*Kms.*
24.2			25 Km. post on right. Escarpment begins to drop in height.	426.3
30.1			30 Km. post on right. Good. dispersal area on left in contrast to stony, almost impassable country being traversed.	420.4
31.1			Country either side of road is now loose sand.	419.4
31.9			Beacon light on left. Firm uneven gravel on both sides of road. Road now becomes 24 ft. wide.	418.6
32.5			Overhead wires.	418.0
33.2	Road Forks		Keep right.	417.3
34.6			Loop way on left. Joins up with main road again. The escarpment on the right is now much lower. It approaches to within 300 metres of road and then bends back to the west.	415.9
34.7			Low sand hummocks on either side of road for next 2 miles.	415.8
35.2			35 Km. post on right.	415.3
36.8	EL HAFEIR	(749782)	Palm trees and spring ½ mile on left. The country is now more open, but sand hummocks make going off "difficult".	413.7
39.0			Road is very bumpy for ½ mile.	411.5
40.2			40 km. post on right. "Going off" on right impossible.	410.3
44.2	Fork roads		Left to BIR ODEIB—Keep right.	406.3
45.0	Road Junction	(745777)	Road from MA'ADI comes in on right. (Route No. 71.) BIR ODEIB wind-well on left.	405.5
46.6			Recent rains have washed out the road in places for next six miles. "Going off" the road is prevented by mud along most of this section.	403.9
55.3			55 km. post on right.	395.2
56.4			End of mud flat. Road turns sharp left and enters defile with escarpment on right, and sea close at hand on left.	394.1

Kms.			*Kms.*
56.7	AIN SUKHNA (745765)	Hot water springs on left. Some movement possible off road on each side. There is reasonably good cover from air (for personnel only) under the escarpment along the whole of this section, but it is rare for vehicles to be able to move off the road.	393.8
58.2		Road skirts escarpment on right and sea on left. Overhead wires cross and recross many times from here to HURGHADA, clearance varying from 9 ft. 9 ins to 25 ft.	392.3
58.8		Road now only 12 ft. wide. with occasional passing places.	391.7
60.3		60 km. post on right.	390.2
61.4		End of defile. Road 20 ft. wide. Possible for vehicles to move off the road in places.	389.1
66.2		Dispersal area on right.	384.3
67.8		Palm trees on right.	382.7
68.1		Beginning of defile. Road varying between 12 ft. and 15 ft. in width.	382.4
68.9		Small clearing in escarpment on right.	381.6
69.5		End of defile.	381.0
70.3		70 km. post on right.	380.2
71.2		Clearing in escarpment.	379.3
72.4		End of clearing. Defile begins.	378.1
73.5		Clearing in escarpment.	377.0
74.6		Palms and wells on right.	375.9
74.7		End of clearing. Defile again.	375.8
76.2	Small harbour	On left, mud buildings on right.	374.3
78.8		Series of sharp curves for next ½ mile ; road from 12 to 20 ft. wide.	371.7
79.9		Square mud building on right.	370.6
80.5		End of defile.	370.0
83.0		Defile begins.	367.5
83.1		Sharp bend.	367.4
84.0		End of defile. Palm trees on right.	366.5

Kms.				*Kms.*
84.7			Cliffs practically overhanging road.	365.8
85.0			Height of hills alongside road gradually decreasing.	365.5
85.6			Beginning of defile.	364.9
86.5			Sharp bend.	364.0
89.3			End of defile.	361.2
91.7	ABU DARAG Lighthouse	(766742)	Road now winds through low hills and is frequently a defile, width varying from 12–24 ft.	358.8
97.0			95 km. post on right.	353.5
101.5			Overhead wires — minimum clearance for whole road of 9 ft. 9 ins.	349.0
103.0			Country opens out to the WADI ARABA Plain and crosses saltmarsh, gravel or sandy covered country which is normally passable off the road without difficulty. Road is from 20–30 ft. wide.	347.5
110.6			110 km. post on right.	339.9
124.0	ZAFARANA Lighthouse	(776712)	Emergency landing-ground. Road junction to BURUMBUL on right.	326.5
125.8			125 km. post on right.	324.7
132.2	MERSA THELEMED	(773706)	Jetty on left.	318.3
132.7			Short defile, ½ km. long with gradient of 1:12. From ZAFARANA onwards, the country is much more open, with the scarp of JEBEL THELEMED lying 2 or 3 km. away to the right at first. The hills gradually recede from the road and a wide, flat, gravelly plain opens out. Towards RAS GHARIB igneous mountains appear on the sky line about 20 kms. distant. The terrain immediately on either side of the road is rather broken with a stony surface on	317.8

Kms.			*Kms.*
		which boulders are strewn. It is normally passable for M.T., however.	
143.3		140 km. post on right.	307.2
148.4		Short dusty stretch of road.	302.1
151.8	Road Junction	Track to Monastery of St. Paul on right.	298.7
155.9		155 km. post on right.	294.6
174.3		170 km. post on right.	276.2
176.4		Road crosses sandy wadi and passes through a defile for two miles. Road width 12 – 20 ft.	274.1
186.2		Road crosses salt-pan with sea on left. Road is breaking in places.	264.3
188.0		Remains of old Standard Oil drilling camp on left.	262.5
189.9		185 km. post on right.	260.6
195.6		Beginning of oiled road. 30 ft. wide.	254.9
197.5		Oiled road ends.	253.0
201.1		200 km. post on right.	249.4
212.7		Oiled road begins again, 30 ft. wide.	237.8
216.0		215 km. post on right. Water tank of RAS GHARIB now in sight.	234.5
219.6	Road Junction	Road by-passing RAS GHARIB goes off to right. The road to the left continues as an oiled road, in rather poor condition, along the coast, with the RAS GHARIB oilfield mainly on the right. RAS GHARIB Jetty is reached after passing through the administrative and residential areas. Junction is made with the by-pass road seven miles further on.	230.9
221.3		220 km. post on right. Country on right is practically flat, gravelly plain, suitable for movement on a broad front. To the left lie the low hills of the RAS GHARIB oilfield.	229.2

Kms.			*Kms.*
231.5		230 km. post on right.	219.0
237.1	Road Junction	Oiled road from RAS GHARIB comes in on left.	213.4
241.5		240 km. post on right. Large salt-pan lies ¼ mile to right of road.	209.0
246.5		245 km. post on right. Road is rather soft in parts.	204.0
248.2		Low hills 10–20 metres high appear on either side of road and restrict movement.	202.3
251.4		250 km. post on right.	199.1
259.9	Defile	Through low hills. Road 20–24 ft. wide for 0.3 miles. Road then opens out to a wide plain and crosses a mud flat, normally passable anywhere.	190.6
276.5		275 km. post on right. Road surface becomes soft sand and grit.	174.0
278.3		Short defile for 0.1 miles after which country again becomes passable in all directions.	172.2
279.2		Telephone line meets road again. Road in soft condition.	171.3
281.7		280 km. post on right.	168.8
288.4		Telephone line parts from road.	162.1
300.4	Road Junction	Road to JEMSA Bay leaves on left over salt-pan.	150.1
301.8		300 km. post on right.	148.7
305.9	Defile	Road a defile through low hills for ½ mile.	144.6
310.7		Several beacons on low hills ½ mile to left of road.	139.8
314.6		Road now crosses salt marsh which is normally passable to M.T. with careful driving.	135.9
318.2	Road Junction	Road to JEMSA oilfield on left.	132.3
319.8	Road Junction	Another road to JEMSA oilfield on left.	130.7
322.0		320 km. post on right. Country on either side of road is now gravel covered and suitable for movement off.	128.5

Kms.				*Kms.*
332.0			Beacon on hill ½ mile to right.	118.2
341.4			Ground is coloured red.	109.1
342.0			340 km. post on right.	108.5
363.8	Road Junction		Road to QENA leaves on right.	86.7
364.4			360 km. post on right.	86.1
367.9	Road Junction		Road to old drilling site on left.	82.3
372.2	Level Crossing		Light railway crosses road.	78.3
373.3			Site of old test well on right.	77.2
375.5	Police Barrier	(889512)	At entrance to buildings of Frontier Administration and Marine Biological Station.	75.0
376.1			End of houses.	74.4
377.3			Short defile in low hills.	73.2
378.0			Short section of oiled road.	72.5
378.6	Level Crossing		Light railway crosses road. These are frequent in next 5 miles.	71.9
379.0			Commencement of oiled road 15 ft. wide.	71.5
379.7	Oil Wells		Commencement of HURGHADA oilfield.	70.8
380.5			Concrete road for ½ mile. Built-up area begins and extends for the next mile or so.	70.0
382.2			380 km. post on right. Salt marsh on both sides of road.	68.3
387.0	Road Junction		At end of HURGHADA Field. Road left proceeds to native town of HURGHADA, right to SAFAGA. Take right. End of oiled section. Road is now 20 ft. wide, natural surface.	63.5
388.0	Police Barrier		Road continues as 14 ft. road running between low hills.	62.5
389.5			Road widens to 20 ft.	61.0
391.6			Road crosses salt marsh.	58.9
393.2			Edge of R.A.F. landing ground from which equipment was being moved.	57.3
395.4			End of landing ground. Flat sandy country each side of road affords excellent going.	55.1
397.7			Signpost in Arabic, reading 10 kms. (from HURGHADA).	52.8

Kms.			Kms.
400.9		Sea approaches to within 200 metres of road on left. Small hummocky bushes both sides of road but reasonably good going.	49.6
406.8		Low hills come in on right, and the surface of the road is very soft sand for 300 metres. Road climbs low hill.	43.7
408.9		Telephone wires cross road, which has now dropped from a small rise. Country off road is sandy, with some gravel.	41.6
412.7		Site of former test well on right.	37.8
414.1		Road again runs through gently rolling hills for ½ mile.	36.4
418.6		Road commences to drop down to a valley. Movement off becomes almost impossible.	31.9
419.9		Road turns right up wadi.	30.6
420.8		Climbs out of wadi and turns left through low gravelly hills.	29.7
422.9		Road very sandy, and carpet of stones laid in places.	27.6
428.9		Beacon on low hill to right. Road runs through low hills for ½ mile.	21.6
432.3		Road runs along coastal plain again for ½ mile.	18.2
433.6		45 km. post on right.	16.9
436.4		Coastal plain stretches away to hills in distance and looks reasonably good going as far as can be seen.	14.1
441.8		SAFAGA seen in distance.	8.7
442.4		55 km. post. Road runs between the sea and a line of low hills. It has been " paved " in places to avoid sandy patches.	8.1
445.7		Stone hut on right of road, which enters flat ground again.	4.8
447.5		Junction with QENA Road. (Route No. 75.) Petrol filling station on left. Tar-macadam road. Commencement of SAFAGA camp area.	3.0
450.5	(907451)	Entrance to SAFAGA wharf area.	0.0

MAADI (642807)—BIR ODEIB (745776)

(121.3 Kms. - 75.8 Miles)

Map : 1:500,000 CAIRO.

Date of Recce. : 10 October 1942.

Start : MAADI end of Bitumen Road (642807).

Limiting Factors :

Minimum Road Width	20 ft.
Minimum Bridge Classification	No bridges
Minimum Overhead Clearance	U
All Weather or Dry Weather Road ...	Dry Weather

GENERAL REMARKS

Road is well located through desert—curves set out—surface gravelled and graded, but corrugates, especially under high-speed traffic.

Road would be dusty with convoy traffic and spacing would have to be about 100 metres apart. If used continuously, must be maintained by grading and adding gravel to weak stretches.

Would stand up to 3-ton convoys travelling 15 mih. for a considerable time Heavy rains would wash away portions of the road. No traffic should be permitted on road when wet.

DETAILED REPORT

Kms.			*Kms.*
0.0	(642807)	MAADI end of Bitumen Road. Sand track 24 ft. wide in a sandy wadi 500 yds. wide. Hills north and south. Mediocre surface, 30 m.p.h.	121.3
13.6		Sand track 24 ft. wide, mediocre surface, 25 m.p.h. Winds through narrow defile 50 yds. wide, no departure from road.	107.7
17.1		Earth track 24 ft. wide, good surface, 30 m.p.h. Soft ground both sides.	104.2
20.3		Gravelled track 24 ft. wide, good surface, 30 m.p.h. Low hummocks on both sides.	101.0
23.5		Gravelled track 20 ft. wide, good surface, 30 m.p.h. Firm	97.8

Kms.				*Kms.*
			flat gravel on right, hills on left.	
26.9			Gravelled track, 24 ft. wide, good surface, 30 m.p.h. Low hummocks on both sides.	94.4
29.3			Gravelled track 20 ft. wide, good surface 30 m.p.h. No departure, through broken country with boulders.	92.0
35.4			Gravelled track 24 ft. wide, mediocre surface 30 m.p.h. No departure, through broken country with boulders.	85.9
39.6	BIR GINDALI	(680801)	Enter wadi. Through wadi BIR GINDALI. Gravelled track 24 ft. wide, twists and turns, drive carefully, gradient 1/12 up good surface 25 m.p.h. No departure, through broken country with boulders.	81.7
41.0			Gravelled track 30 ft. wide through undulating country. Mediocre surface 30 m.p.h. Soft ground both sides.	80.3
47.2			Gravelled track 30 ft. wide through flat country of firm gravel. Mediocre surface 30 m.p.h.	74.1
50.2			Gravelled track 24 ft. wide descending to wadi, gradient 1/12 down, through broken country with boulders. Good surface 30 m.p.h.	71.1
51.2			Gravelled track 24 ft. wide through wadi of firm flat gravel 600 yds. wide. Mediocre surface 30 m.p.h.	70.1
56.2			Gravelled track 24 ft. wide through soft country. Good surface 30 m.p.h.	65.1
61.2			Sand track 24 ft. wide through narrow defile of soft sand, 50 yds. wide. Winding to east. Mediocre surface 30 m.p.h.	60.1

Kms.				*Kms.*
71.5			Gravelled track 24 ft. wide through wide undulating plain of soft going. Good surface 40 m.p.h.	49.8
79.8	Road Junction	(705784)	BIR QENA road, Gravelled track 24 ft. wide through wide wadi of firm flat gravel with hills north and south. Good surface 40 m.p.h.	41.3
85.3			Gravelled track 20 ft. wide through narrow defile (Wadi RAMLIYA) of soft sand. Good surface 30 m.p.h.	36.0
92.8			Gravelled track 24 ft. wide through wide firm flat gravel plain cut by small erosions with a range of high hills on south. Good surface, 30 m.p.h.	28.5
104.8			Sand track 24 ft. wide in wadi bed passing through wide firm flat gravel plain cut by small erosions. High hills on south.	16.5
108.5		(733782)	Asphalted road 20 ft. wide through wide fairly firm gravel plain with wide dispersal possible. Good surface 50 m.p.h.	12.8
121.3	BIR ODEIB	(745776)	Join Route No. 70.	0.0

SAFAGA (907451) to QENA (787385)

(164.7 Kms. - 102.4 Miles)

Date of Recce. : 2 March 1943.

GENERAL REMARKS

Road Surface and Conditions

The road is either tar-macadam or mix-in-place for the whole distance, and is one of the best roads in the country. It was completed in July 1942. Width throughout is 20 ft., with no berms. On the date of the recce., maintenance gangs were at work on the last 25 miles of the road.

Curves and Gradients

There are many curves on the road, particularly on the part running through the gorge. None of these can be considered bad, however, and they are well signposted. There are no steep gradients, but a number of blind " hump-backs " which are also mostly signposted, occur on the road. The worst of these have a ridge of white stones down the centre of the road to divide the traffic.

Overhead Height Limitation

Overhead telephone wires cross the road in many places, but the clearance seems to be ample, and well in excess of the allowable height of 17 ft.

Weight Limitation

The bridge over the irrigation canal at QENA is the only one on the route. It is thought to be suitable for Class 18 traffic. Otherwise the road will take Class 30 loads.

DETAILED REPORT

Kms.				*Kms.*
0.0	SAFAGA	(907451)	Entrance to wharf area. Tar-macadam road 20 ft. wide with no verges.	164.7
3.2	Road Junction		SUEZ Road to right. (Route No. 70.) Road is traversing flat coastal plain with a gravelly surface. Camps, etc., have made it temporarily into a built-up area.	161.5
3.5			Telephone wire crosses road.	161.2
3.8			159 km. post on left.	160.9

Kms.		*Kms.*
4.2	Flat-topped gravel ridge on left. Open plain on right for ½ mile.	160.5
5.7	Road curves to left. Gravel ridge now on both sides restricting movement off. Road enters *cirque* of igneous mountains, which gradually narrows.	159.0
9.0	154 km. stone. The gorge is about 200 metres wide, the road traversing flat ground covered on either side with large boulders. The hills rise in sheer cliffs on either side of the valley. The worst of the many curves on the road have a low ridge of white stone in the middle of the road.	155.7
10.0	150 km. post on left.	154.7
12.1	Valley opens out somewhat, and hills are slightly lower in elevation.	152.6
15.2	145 km. post on left. Gorge narrows again to about 100 metres.	149.5
18.3	Road passes through sandy area with low hills projecting through the sand.	146.4
19.3	Valley closes in again.	145.4
20.5	140 km. post on left.	144.2
25.7	135 km. post on left.	139.0
30.8	130 km. post on left. Level of hills dropping again and valley becomes somewhat wide.	133.9
36.0	125 km. post. Hills close in and are much higher again.	128.7
37.8	Valley opens out and hills drop in level.	126.9
39.7	Bad hump-back, blind. Ridge of white stones in centre of road. Country then becomes more open.	125.0
41.0	120 km. stone on left.	123.7
46.1	115 km. stone on left.	118.6
47.4	Small hills coming right up to road preclude "going off".	117.3
48.0	Movement now possible alongside road.	116.7

Kms.			*Kms.*
49.8		Double bend in road.	114.9
51.0		110 km. stone on left.	113.7
52.9		Road enters gorge again but hills not so high as previously.	111.8
54.5		S-bend and curving road in form of defile, followed by climb. Hills are not so high on the other side of the rise which is the highest point of the road.	110.2
56.4		105 km. post on left.	108.3
57.5		Series of bad double bends for next ½ mile.	107.2
60.4		Two wells containing undrinkable water at side of road.	104.3
60.9		Series of dangerous bends.	103.8
61.5		100 km. post on left.	103.2
66.8		95 km. post on left.	97.9
72.0		90 km. post on left. Country is now more open, and hills are low.	92.7
77.2		85 km. post on left.	87.5
78.0		Telegraph lines and railway line (narrow gauge) approach from left and run parallel to road. Small railway station on left about ½ mile distant.	86.7
81.5		Overhead telephone wires — ample clearance.	83.2
82.1		80 km. post on left.	82.6
82.4		Overhead telephone wires — ample clearance.	82.3
84.8	Level Crossing	S-bend.	79.9
85.3	MISIKAT	Railway station on right.	79.4
87.3		75 km. post on left. Road continues (with railway alongside) down a broad open valley flanked by low black hills.	77.4
92.5		70 km. post on left.	72.2
94.1		Road passes through a defile.	70.6
97.7		65 km. post on left. Sharp curve to right.	67.0
101.5	AL MARKH	Station to right, with one water tower.	63.2
102.8		60 km. post on left.	61.9

Kms.			*Kms.*
104.9		Road now passes through a wide plain about 7 km. across, between low flat-topped hills.	59.8
107.0		Isolated hillock on right side of road.	57.7
107.9		55 km. post on left.	56.8
110.4		Road makes appreciable bend to left.	54.3
112.9		50 km. post on left.	51.8
117.7		Road makes appreciable bend to right.	47.0
118.1		45 km. post on left.	46.6
120.7	Level Crossing	Decauville line to nearby quarry.	44.0
121.6	QREIYA	Station on right.	43.1
123.5		40 km. post on left.	41.2
124.8		From here to QENA road gangs are at work in various places re-surfacing and repairing the road.	39.9
130.0		Spur of low hills approaches close to road on left. Road passes through gap in low hills leaving railway on the right.	34.7
132.9		30 km. post on left. Short, sharp rise to summit of hill follows.	31.8
133.5		Road continues in low hills.	31.2
135.1		Road enters open sandy plain.	29.6
138.7		25 km. post on left.	26.0
139.3		Blind hump with raised blocks in centre of road.	25.4
144.0		20 km. post on left. Blind "hump" with blocks in centre of road.	20.7
145.6		Blind "hump" with blocks in centre of road, followed by a double hump of same nature. The plain is now in excess of 10 km. wide with a stone-strewn surface on either side of road.	19.1
148.8		15 km. post on left.	15.9
152.0		Railway rejoins road on right.	12.7
154.5		10 km. post on left.	10.2
156.9		Low hills approach road on left.	7.8
157.3	Level Crossing	Railway now continues on left.	7.4

Kms.				*Kms.*
157.7			Military camping area begins.	7.0
158.6	Fork Roads		Continue along right fork.	6.1
158.9	Level Crossing		Decauville track.	5.8
159.3	Road Junction		Road right into camp area.	5.4
160.9			Beginning of cultivation.	3.8
162.5	QENA	(787385)	Built-up area. Bad curves. Careful driving needed. Overhead wires across road. Continue in general westerly direction through outskirts of town.	2.2
163.1	Bridge		Across irrigation canal. Length 90 ft., width 30 ft. Weight capacity unknown but probably class 18.	1.6
	Level Crossing		Follows immediately. Turn left after level crossing.	
163.4	Road Junction		Turn right at police control point just before reaching railway station. Junction with Route No. 30. Continue down main road. Width 30 ft. minimum. Tar-macadam surface.	1.3
164.7	Bridge		Over irrigation canal. Near main square and Cathedral.	0.0

GROUP 8

Comprising all routes
beginning with 8

LINK ROAD—ABU AWEIGILA (913907 Red Grid) to EL AUJA (096032 Palestine Grid)

(37.4 Kms. - 23.4 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 18 EL ARISH.

Date of Recce. : 24 February 1943.

Start : Road Junction at ABU AWEIGILA.

Limiting Factors :

Minimum Road Width	18 ft.
Minimum Bridge Classification	70
Minimum Overhead Clearance	U
All Weather or Dry Weather Road ...	All Weather

GENERAL REMARKS

The road runs through hilly desert throughout its length.

There was heavy rain at the time of the recce. and there were very many pools of water on the road which considerably reduced the speed. The edges of the road are rather rough. Departure from the road is not usually possible.

At the blind hills, the road widens to 23 ft. and there is a stone insert 1 ft. wide in the centre of the road.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(913907)	Route No. 1 turns off left. Macadam road 20 ft. wide. Surface M–B 2 ft. berms each side. Desert hilly.	37.4
1.2			Blind hill.	36.2
1.4			Blind hill.	36.0
1.7			Blind hill.	35.7
2.2			Blind hill.	35.2
2.5			Blind hill.	34.9
3.4			Blind hill.	34.0
4.0		Red Grid	Blind hill.	33.4
4.6		Palestine Grid	Blind hill.	32.8
5.2			Blind hill.	32.2
6.0			Blind hill.	31.4
6.8			Blind hill.	30.6
6.9			Blind hill.	30.5

Kms.	Pal estine Grid			Kms.
7.2			Blind hill.	30.2
7.6			Blind hill.	29.8
8.0			Blind hill.	29.4
8.2			Road recarpeted. Surface M.	29.2
11.4			Blind hill.	26.0
11.9			Blind hill.	25.5
12.5			Camp road workers.	24.9
12.8			Blind hill.	24.6
12.9			Desert flatter for a short distance	24.5
14.3			Desert hilly. Road very undulating.	23.1
17.4			Blind hill and bend.	20.0
17.7			Blind hill and bend.	19.7
18.6			Blind hill and bend.	18.8
19.1			Blind hill and bend.	18.3
19.4			Blind hill and bend.	18.0
20.0			Blind hill and bend.	17.4
20.5			Blind hill.	16.9
20.6			End of undulating part. Flat desert.	16.8
24.0			Road starts climbing.	13.4
24.7			Blind hill.	12.7
25.0			Top of hill.	12.4
26.7			Blind hill.	10.7
29.1			Blind hill.	8.3
30.6	Road Junction	(090033)	Track left to RAFA.	6.8
31.4			Road narrows to 28 ft. Sand blown over road to Km. 31.7.	6.0
32.2			Sharp S-bend left and right. Road very winding with many sharp bends to Km. 34.7	5.2
33.1			Frontier Egypt–Palestine.	4.3
36.4			Road descends into valley.	1.0
37.1	Bridge (70)		Over wadi. Four spans. 26 ft. total span, 23 ft .wide. R.C.	0.3
37.4	EL AUJA Road Junction	(096032)	Turning right to AQABA.	0.0

ALTERNATIVE CROSSING OF SUEZ CANAL AT FERRY POINT (740876) to (742877)

(2.0 Kms. - 1.3 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 25 February 1943.

Limiting Factors :

Minimum Road Width ...	...	10 ft.
Minimum Bridge Classification (Ferry)	...	30
Minimum Overhead Clearance ...	...	U
All Weather or Dry Weather Road	...	All Weather

GENERAL REMARKS

The road runs through desert throughout.

DETAILED REPORT

0.0	Ferry	(740876)	Cross canal by ferry. 30 ton capacity. Macadam road 20 ft. wide. One way traffic. Surface M.	2.0
0.5			Two way traffic. Camps left and right. 2 ft. berms. Water Point left.	1.5
2.0	Road Junction	(742877)	Join main route No. 1	0.0

ALTERNATIVE CROSSING OF SUEZ CANAL BY EL FIRDAN BRIDGE

(743885) to (744877)

(10.5 Kms. - 6.6 Miles)

Map : 1:250,000 Egypt and Cyrenaica—
Sheet 17 SUEZ CANAL.

Date of Recce. : 25 February 1943.

Start : Road Junction at Km. 111.4 on Route No. 60. Turn right.

Limiting Factors :

Minimum Road Width	... ...	...
Minimum Bridge Classification	...	... 70
Minimum Overhead Clearance	...	...
All Weather or Dry Weather Road		... All Weather

GENERAL REMARKS

The road runs through desert throughout.

DETAILED REPORT

Kms.				*Kms.*
0.0	Road Junction	(743885)	Leave Route No. 60. Macadam road 20 ft. wide, surface M.	10.5
	Bridge (70)		Over SUEZ Canal 220 ft. span. Double swing steel.	
0.3			Road turns right. Road widens to 30 ft. Pull off left and right 5 ft., sometimes blocked by blown sand. Desert soft.	10.2
0.8			Road narrows to 20 ft.	9.7
1.5			Road turns left. Level crossing.	9.0
3.9			Macadam parking right, 10 ft. wide, 50 yds. long.	6.6
5.7			Macadam parking right, 10 ft. wide.	4.8
6.2			End of parking right.	4.3
8.5			Macadam parking right, 10 ft. wide, for 50 yds.	2.0
10.5	Road Junction	(744877)	Join main route No. 1.	0.0

PLACE NAME INDEX

R.G. = EGYPTIAN RED GRID
P.G. = PALESTINE GRID
PURPLE G. = EGYPTIAN PURPLE GRID

A

Name	*Grid Ref.*	*Route No.*
ABBASA, EL	R.G. 682870 ...	502A
		62
ABU AWEIGILA	R.G. 913907 ...	1, 81
ABU EL KHAWI	R.G. 596876 ...	40
ABU HAMMAD	R.G. 679869 ...	1, 502A
ABU DARAG	R.G. 766742 ...	70
ABU KEBIR	R.G. 679892 ...	502A
ABU OMAR	R.G. 784334 ...	30
ABU QURQAS	R.G. 597580 ...	30
ABU RAGWAN	R.G. 641784 ...	30
ABU SHUQUQ	R.G. 672902 ...	502A
ABU SHUSHA	R.G. 717386 ...	35
ABU SIR	R.G. 473916 ...	1, 2
ABU TOR	R.G. 619887 ...	52
ABYUQA	R.G. 589938 ...	404A
ADLIYA, EL	R.G. 668854 ...	62
AGA	R.G. 643915 ...	64
AIYAT, EL	R.G. 640769 ...	30
AIN SUKHNA	R.G. 745765 ...	70
ALEXANDRIA	R.G. 510943 ...	1, 421
		422
ALQAM	R.G. 597871 ...	40
AMIRIYA	R.G. 499925 ...	2
		420
		421
ARISH, EL	R.G. 883940 ...	1
ARMANT	R.G. 966321 ...	30
ASHRAF, EL	R.G. 793378 ...	30

Name	*Grid Ref.*	*Route No.*
ASLOUGY, EL	R.G. 665872 ...	601A
ASWAN	R.G. 807156 ...	30
ASYUT	R.G. 634499 ...	30, 35
ATAQA	R.G. 756799 ...	70
AUJA. EL	P.G. 096032 ...	81
AZIZIYA, EL	R.G. 634904 ...	50
		601A

Name	*Grid Ref.*	*Route No.*
BA'ALWA, EL	R.G. 696871 ...	1
BABIL	R.G. 614886 ...	55
BADRSHEIN, EL	R.G. 642994 ...	30
BAGUR, EL	R.G. 618858 ...	55
BAHADA	R.G. 628835 ...	641
BAHQIRA	R.G. 648919 ...	64
BAI EL ARAB	R.G. 619854 ...	55
BALAQS	R.G. 642829 ...	2
BALLAH, EL	R.G. 741896 ...	60
BALYANA, EL	R.G. 714393 ...	35
BAQLIYA	R.G. 655916 ...	63
BARAMKIN	R.G. 659897 ...	63
BARQIN	R.G. 665905 ...	502A
BENHA	R.G. 631864 ...	50 52 500A 64A 64 601A 640
BENI AYUB	R.G. 679876 ...	502A
BENI HIDEIR	R.G. 633728 ...	30
BENI MAZAR	R.G. 596644 ...	30
BENI SALEH	R.G. 656862 ...	64A
BENI SUEF	R.G. 624708 ...	30
BILBEIS	R.G. 669856 ...	62 64A
BILEIDA, EL	R.G. 665774 ...	30
BIRBA, EL	R.G. 652466 ...	35
BIR GINDALI	R.G. 680801 ...	71
BIRIGAT, EL	R.G. 597861 ...	40
BIRKET EL SAB	R.G. 623881 ...	52
BIR ODEIB...	R.G. 745776 ...	71, 70
BIRQASH	R.G. 618829 ...	2
BIR SHAMS	R.G. 619852 ...	55

Name	*Grid Ref.*	*Route No.*
BISHLA	R.G. 640896 ...	64
BUGHDADI	R.G. 976328 ...	30
BUHA	R.G. 676897 ...	502A
BUQ BUQ	Purple G. 559364 ...	1
BURDEIN	R.G. 667866 ...	601A
BURG NUR EL HUMMUS	R.G. 648914 ...	502A
BUSEILI	R.G. 558958 ...	404A 405

Name	*Grid Ref.*	*Route No.*
CAIRO	R.G. 635812 ...	30
		31
		32
		62
		64
CHARING CROSS	Purple G. 712340 ...	1

Name	*Grid Ref.*	*Route No.*
DABA	Purple G. 831316 ...	1
DABUNIYA, EL	R.G. 645884 ...	64A
DAIRUT	R.G. 596539 ...	30
DAMANHUR	R.G. 564927 ...	1
DAMHUG	R.G. 635876 ...	500A
DEBICUE	R.G. 659898 ...	63
DELTA BARRAGE	R.G. 628832 ...	2, 55 640
DIBABIYA, EL	R.G. 767311 ...	30
DIFRA	R.G. 618891 ...	52
DILWIRAT, EL	R.G. 692413 ...	35
DINSHAL	R.G. 571918 ...	1
DISHNA	R.G. 769382 ...	30
DISUQ	R.G. 581936 ...	404A
DIWEIR, EL	R.G. 650473 ...	35
DIYARB NIGM	R.G. 659893 ...	63
DUNDIT	R.G. 645887 ...	1, 64A

Name	*Grid Ref.*	*Route No.*
FANT, EL	R.G. 602671 ...	30
FARSIS	R.G. 659884 ...	63
FASHN, EL...	R.G. 606680 ...	30
FAYID	R.G. 739847 ...	61
FERRY POINT (ISMAILIA)	R.G. 740876 ...	82
FIRDAN, EL	R.G. 743885 ...	60
		83
FISHA BANA	R.G. 640900 ...	64
FORT CAPUZZO	Purple G. 515377	1
FUWA	R.G. 572944 ...	404A

Name	*Grid Ref.*	*Route No.*
GA'AFRA	R.G. 809182 ...	30
GEBEL MARYAM	R.G. 740871 ...	60
GENEIFA	R.G. 752834 ...	61
GERAWLA	Purple G. 737338 ...	1
GHABA, EL	R.G. 543934 ...	1
GHABASHA	R.G. 564954 ...	404A
GHITA	R.G. 665853 ...	62
GIBEILA	R.G. 679879 ...	502A
GIZA, EL	R.G. 635811 ...	32
GUDAIYIDA, EL	R.G. 651869 ...	601A
GUSAQ, EL	R.G. 664857 ...	64A

Name	*Grid Ref.*	*Route No.*
HAFEIR, EL	... R.G. 749782 ...	70
HALA	... R.G. 641878 ...	64A
HALFAYA PASS	Purple G. 528370 ...	300
HAMRA, EL	... R.G. 602940 ...	404A
HAWAMDIYE, EL...	... R.G. 641798 ...	30

Name	*Grid Ref.*	*Route No.*
IDFINA	R.G. 569954 ...	404A
IDKU	R.G. 549954 ...	405
IKWA	R.G. 659887 ...	63
INSHAS EL RAML	R.G. 659852 ...	601A
ISHMANT	R.G. 632722 ...	30
ISMAILIA	R.G. 736875 ...	1, 60
ISNIT	R.G. 639869 ...	64A
ITYAI EL BARUD...	R.G. 582908 ...	1

Name	*Grid Ref.*	*Route No.*
KAFR DIMITNU	R.G. 623927 ...	502A
KAFR EL DAUWAR	R.G. 531936 ...	1
KAFR EL FIDDAN	R.G. 680872 ...	502A
KAFR EL GINEIDI	R.G. 635887 ...	500A
KAFR EL GUHANNAMI	R.G. 641885 ...	64A
KAFR EL LUSUS	R.G. 657879 ...	1
KAFR EL SHEIKH...	R.G. 609933 ...	404A 52 502A
KAFR KHALIL MUSA	R.G. 668874 ...	1
KAFR MAHFUG	R.G. 606750 ...	31
KAFR SAQR	R.G. 675898 ...	502A
KAFR SHIBIN	R.G. 644843 ...	601A
KAFR SHUKR	R.G. 640871 ...	64A
KAFR SILIM	R.G. 530937 ...	1
KANG OSMAN	R.G. 529937 ...	1
KARYUN, EL	R.G. 538936 ...	1
KHATATBA	R.G. 599352	40
KHATTARA	R.G. 805169 ...	30
KILO 74 Bridge	R.G. 741878 ...	1
KOLET EL MIZARI	R.G. 811256 ...	30
KOM AUSHIM	R.G. 605757 ...	31
KOM EL AKHDAR	R.G. 615877 ...	55
KOM EL DAB	R.G. 618862 ...	55
KOM EL DIK	R.G. 511943 ...	1
KOM ISHFIN	R.G. 640830 ...	2
KOM SHIRIK	R.G. 593882 ...	40
KUBRI	R.G. 767815 ...	60
KUFUR EL SOLIYA	R.G. 596638 ...	30

Name	*Grid Ref.*	*Route No.*
LAKE IDKU	R.G. 534951 ...	405
LE CAP	R.G. 740916 ...	60, 61

M

Name	*Grid Ref.*	*Route No.*
MAADI	R.G. 642807 ...	71
MA'ATANA	R.G. 773399 ...	30
MAGHAGHA	R.G. 599660 ...	30
MAHALLA EL KUBRA	R.G. 631918 ...	50, 55, 502A
MAHALLET MALIK	R.G. 578938 ...	404A
MAHALLET MINUF	R.G. 611908 ...	52
MAIMUN, EL	R.G. 633726 ...	30
MALAMIS	R.G. 647870 ...	64A
MANASHI	R.G. 625830 ...	2
MANASTERLY PASHA	R.G. 679882 ...	502A
MANFALUT	R.G. 610512 ...	30
MANSAFIS	R.G. 597589 ...	30
MANSURA	R.G. 652926 ...	63, 64
MARAZIQ, EL	R.G. 641789 ...	30
MASARA, EL	R.G. 642882 ...	64A
MASHALA	R.G. 628890 ...	1
MASHTUL	R.G. 652849 ...	601A
MATAI	R.G. 594634 ...	30
MATANYA, EL	R.G. 639762 ...	30
MATARIYA	R.G. 644823 ...	2
MERSA THELEMED	R.G. 773706 ...	70
MATBUL	R.G. 619931 ...	502A
MAWADDA, EL	R.G. 596649 ...	30
MAZGHUNA	R.G. 640782 ...	30
MI'ALLA, EL	R.G. 767309 ...	30
MINSHAT DAMALLU	R.G. 633868 ...	50
MINSHAT GANZUR	R.G. 614892 ...	55
MINYA, EL	R.G. 591599 ...	30
MINYET EL QAMH	R.G. 648868 ...	64A, 601A
MIT ABU KHALID	R.G 647881 ...	64A
MIT BIRA	R.G. 635870 ...	50
MIT EL FARAMAWI	R.G. 646886 ...	1

Name	*Grid Ref.*	*Route No.*
MIT EL QURASHI	R.G. 649884 ...	1
MIT GABR	R.G. 659860 ...	64A
MIT GHAMR	R.G. 639890 ...	1, 64
MIT HASHIM	R.G. 634906 ...	50
MITHIBEISH	R.G. 617897 ...	1
MIT KHANAZIR	R.G. 637861 ...	601A
MIT NAGI	R.G. 642884 ...	64A
MIT YAZID	R.G. 646866 ...	601A
MOHAMED ABU ALI EL QANTARA ...	R.G. 633917 ...	502A
MUSTURUD	R.G. 643826 ...	2, 62
MUTAMIDIYA	R.G. 624924 ...	502A

Name	*Grid Ref.*	*Route No.*
NAG AZZUZ	R.G. 666442 ...	35
NAG EL KAGUG	R.G. 812221 ...	30
NAG EL MIHEIGAR	... ...	30
NAG EL RASHUN	R.G. 794354 ...	30
NAG HAMMADI	R.G. 732383 ...	30, 35
NAHYA	R.G. 627810 ...	33
NAKHLAS, EL	R.G. 656879 ...	1
NAWA	R.G. 640836 ...	601A
NAWASA EL GHEIT	R.G. 646918 ...	64
NIFYA	R.G. 617893 ...	52, 35
NIKHEILA, EL	R.G. 649480 ...	
NIKLA	R.G. 620829 ...	40
NIQEITA	R.G. 650921 ...	64
NUB TARIF	R.G. 656909 ...	502A

O

Name	*Grid Ref.*	*Route No.*
OM EL ZEIN	R.G. 652882 ...	1

Name	*Grid Ref.*	*Route No.*
PHILADELPHIA	R.G. 623749 ...	31
PORT SAID	R.G. 740950 ...	60, 61
PORT TAUFIQ	R.G. 766804 ...	60

Name	*Grid Ref.*	*Route No.*
QABRIT	R.G. 575943 ...	404A
QAHA	R.G. 635841 ...	64
QALYUB	R.G. 636830	2, 64, 601A
QALYUB EL BALAD	R.G. 634830 ...	2
QANAYA, EL	R.G. 659879 ...	63
QANTARA	R.G. 741906 ...	60
QASABA	Purple G. 745332 ...	1
QENA	R.G. 787385 ...	30, 75
QIFT	R.G. 796367 ...	30
QUBBA, EL	R.G. 647874 ...	64A
QUMBUSH EL HAMRA	R.G. 613699 ...	30
QUTURI, EL	R.G. 636750 ...	30
QUWEISNA	R.G. 628871 ...	52

Name	*Grid Ref.*	*Route No.*
RAFA	P.G. 078079 ...	1
RAG-DIYA, EL	R.G. 619902 ...	55
RAHBEIN, EL	R.G. 635918 ...	502A
RAMADI	R.G. 809235 ...	30
RAMLEH	R.G. 518948 ...	405
RAS EL ISH	R.G. 739937 ...	60, 61
ROSETTA	R.G. 560965 ...	405

Name	*Grid Ref.*	*Rotte No.*
SAAD ZAGHLOUL STATION	R.G. 639882 ...	50
SAFT EL HIMA	R.G. 674872 ...	1
SAFT EL LABAN	R.G. 588609 ...	30
SAFT EL MALUK	R.G. 576914 ...	1
SAFAGA	R.G. 907451 ...	70, 75
SAFT ZIREIQ	R.G. 659890 ...	63
SAIR SHABI, EL	R.G. 615931 ...	502A
SAKHA	R.G. 610931 ...	52
SALA, EL	R.G. 688421 ...	35
SALMIA	R.G. 576941 ...	404A
SAMALIG	R.G. 615882 ...	55
SAMALUT	R.G. 587622 ...	30
SAMANNUD	R.G. 638917 ...	502A
SAMATA	R.G. 768381 ...	30
SANADID	R.G. 614890 ...	55
SANDANHUR	R.G. 633856 ...	64
SANDUB	R.G. 652923 ...	64
SANKALOUN, EL	R.G. 657872	601A
SANTARIS	R.G. 621844 ...	55
SERAPEUM STATION.	R.G. 741864 ...	627
SHABA	R.G. 593941 ...	404A
SHABSHIR EL HISSA	R.G. 621905	55
SHAGHAB	R.G. 765314 ...	30
SHALAQAN	R.G. 631830 ...	2, 641
SHALSHALAMUN	R.G. 651864 ...	64A
SHALUFA	R.G. 766825 ...	60
SHAMSHIRA	R.G. 568949	404A
SHANAWAN	R.G. 616865 ...	55
SHANDUR	R.G. 764830 ...	60
SHARAGT EL KUBRA	R.G. 642881 ...	64A
SHARANNA EL QIBLI	R.G. 784283 ...	30
SHAWA	R.G. 653921 ...	63

Name	*Grid Ref.*	*Route No.*
SHAWANIYA, EL	R.G. 628715 ...	30
SHEIKH EL KASMY	R.G. 659901 ...	63
SHEIKH GIBEILA, EL	R.G. 679879 ...	502A
SHEIWA	R.G. 641906 ...	64
SHELLAL	R.G. 809150 ...	30
SHIBIN EL KOM	R.G. 616871 ...	55
SHIBIN EL QANATIR	R.G. 645845 ...	601A
SHIBLANGA	R.G. 641863 ...	601A
SHOUBRA	R.G. 639823 ...	64
SHUBRA BABIL	R.G. 633910 ...	50
SHUBRA EL NAKHLA	R.G. 660859 ...	64A
SHUBRA EL NAMLA	R.G. 607899 ...	1
SHUBRA HOR	R.G. 652912 ...	502A
SHUBRA QAS	R.G. 621892 ...	1
SHURAFA-EL-GHARBI	R.G. 627835 ...	640
SHUTH	R.G. 639495 ...	35
SIBA'IYA, EL	R.G. 783278 ...	30
SIDI ABD EL RAHMAN	Purple G. 866309 ...	1
SIDI BARRANI	Purple G. 598379 ...	1
SIDI GABER	R.G. 514946 ...	1
SIDI HANEISH	Purple G. 760329 ...	1
SILWA BAHARI	R.G. 811228 ...	30
SIMBILLAWEIN	R.G. 658908 ...	502A
		63
SINDIYUN	R.G. 635837 ...	64
SINNURIS	R.G. 602746 ...	31
SIWA	R.G. 675871 ...	1
SIYAFA	R.G. 627845 ...	640
		641
SOLLUM	Purple G. 525376 ...	1
SUEZ	R.G. 765807 ...	60
		70
SUMBAT	R.G. 635899 ...	50
SURAD	R.G. 607918 ...	52

Name	*Grid Ref.*	*Route No.*
TAHAG	R.G. 698872 ...	1
TAMIYA	R.G. 611752 ...	31
TAMMUN	R.G. 640803 ...	30
TANTA	R.G. 614899 ...	52
		55
TARH, EL	R.G. 532951 ...	405
TARRANA, EL	R.G. 599858 ...	40
TAUFIQIYA, EL	R.G. 590901 ...	1
TAYFA	R.G. 614931 ...	502A
TEIRIYA, EL	R.G. 594880 ...	40
TEL EL KEBIR	R.G. 690872 ...	1
TELL MUFTAN	R.G. 679881 ...	502A
TELL RUZAN	R.G. 664855 ...	601A
TINA, EL	R.G. 740926 ...	60
		61
TISFA	R.G. 641873 ...	64A
TUKH	R.G. 634849 ...	64
TUKHEL QARAMUS	R.G. 679887 ...	502A
TUNNAMIL EL SHARQI	R.G. 640903 ...	64

Name	*Grid Ref.*	*Route No.*
WAQID	R.G. 592887 ...	40
WARDAN	R.G. 604842 ...	40
WARWARA	R.G. 632865 ...	50
WASTA, EL	R.G. 635736 ...	30

Name	*Grid Ref.*	*Route No.*
ZAFARANA	R.G. 776712 ...	70
ZAGAZIG	R.G. 657878 ...	63
ZAWAMIL, EL	R.G. 657849 ...	62
ZAWYET EL BAHR	R.G. 591889 ...	40
ZIFEITET SHALAQAN	R.G. 627837 ...	640
ZIFTA	R.G. 637889 ...	1,500A
		50
ZIMARA	R.G. 614885 ...	55

ROUTE NUMBER INDEX

Route No.	SEE UNDER ROUTE NUMBER
1	1
2	2
30	30
31	31
32	32
33	33
34	34
35	35
300	300

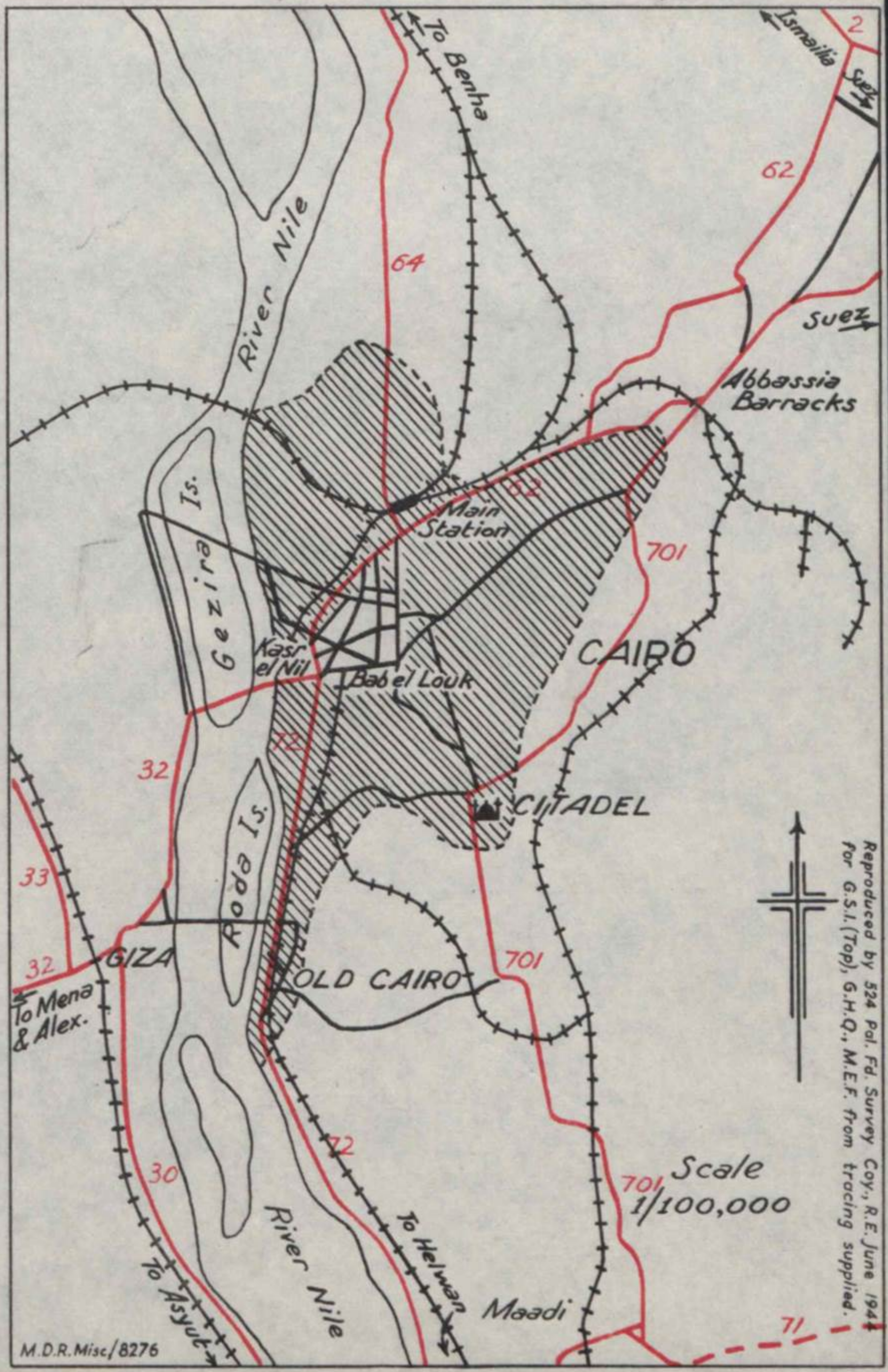
Route No.	SEE UNDER ROUTE NUMBER
320	
321	
40	40
41	
42	
400	
401	
402	
403	
404	404A
405	405
406	
407	
408	
409	

Route No.	SEE UNDER ROUTE NUMBER						
410							
420	420						
421	421						
422	422						
423	423						
50	50						
51							
52	52	404A					
53							
54		404A					
55	55						
500	500						
501							

Route No.	SEE UNDER ROUTE NUMBER						
502		502A					
503							
60	60						
61	61						
62	62						
63	63	601A					
64	64	64A					
65		601A					
66							
67		64A					
68		502A					
600	600						
601		601A					
602							
603	603						
604							
605							

Route No.	SEE UNDER ROUTE NUMBER
620	620
621	
622	622
623	623
624	624
625	625
626	626
627	627
628	
640	640
641	641
70	70
71	71
72	
73	
74	
75	75
76	
77	

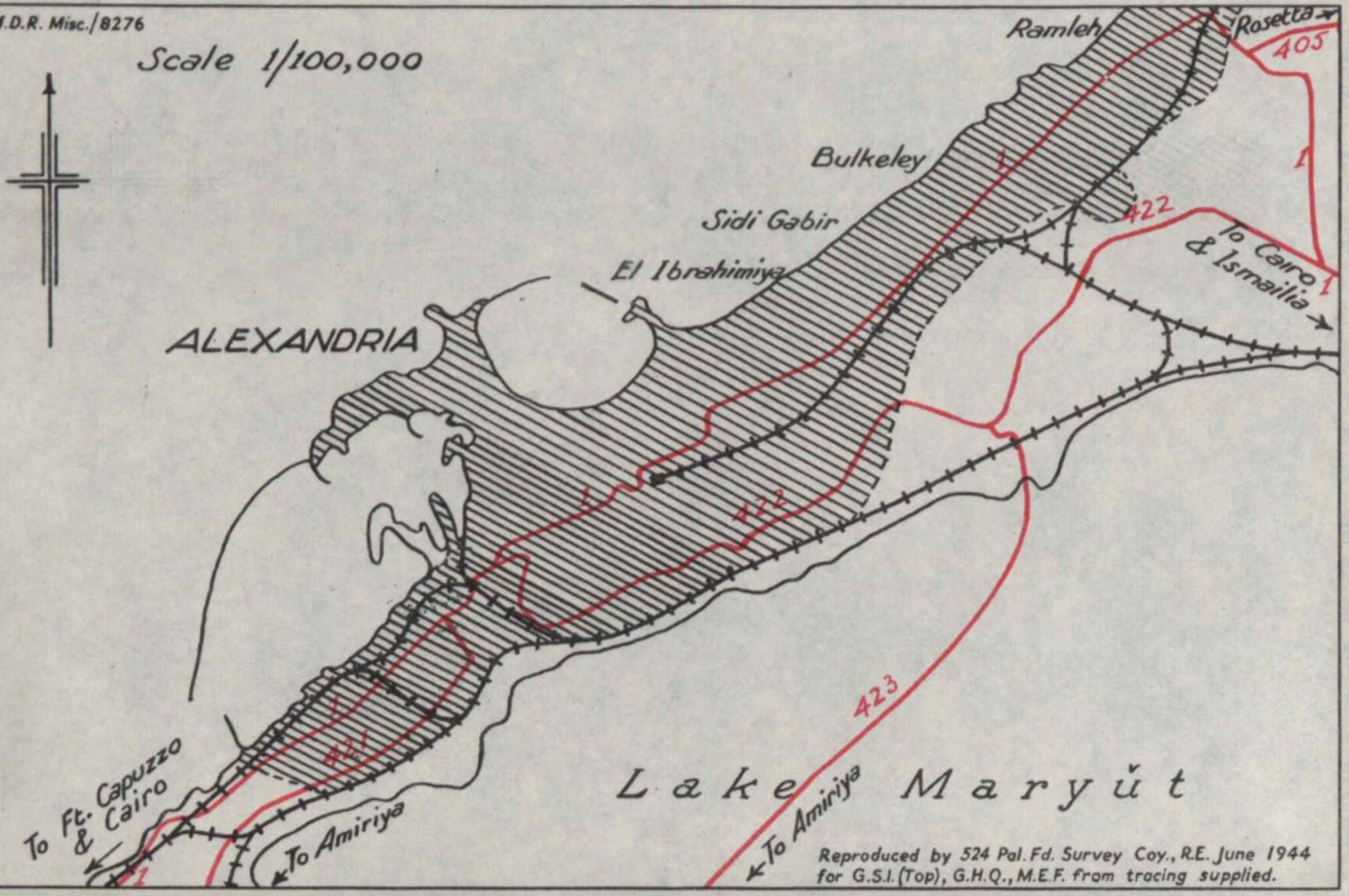
Route No.	SEE UNDER ROUTE NUMBER
700	
701	
81	81
82	82
83	83
84	
85	
86	
87	
801	
802	
803	
804	
805	
806	
807	
809	
810	
811	
812	
813	
814	



Reproduced by 524 Pal. Fd. Survey Coy., R.E. June 1941 for G.S.I. (Top), G.H.Q., M.E.F. from tracing supplied.

M.D.R. Misc./8276

Scale 1/100,000



Reproduced by 524 Pal. Fd. Survey Coy., R.E. June 1944
for G.S.I. (Top), G.H.Q., M.E.F. from tracing supplied.

Scale 1/100,000

To Port Said

61

New road (approx. alignment)

To Port Said

60

To El Firdan Bridge

83

Kilo 74 Bridge

ISMAILIA

603

604

605

1

82

To Palestine

Ferry

Canal

Moascar

Canal

Lake Timsah

61 & 1

Nifisha Canal

To Cairo & Alexandria

61

To Suez

Canal

60

524 Pal. Fd. Survey Coy., R.E. June 1944
G.H.Q., M.E.F. from tracing supplied.

Reproduced by
G.S.I. (Top).

M.D.R. Misc./8276